Color and Material Schedule

Project Address:
Contractor: 831 Carroll

Location	Description	Manufacturer	Finish	Color	Notes
Hall	Flushmount Ceiling (1 bulb)	Progress lighting, Maier, 1-light flushmount, P3910-09		Nickel	
Living	Flushmont Ceiling	Progress lighting, Maier, 2-light flushmount, P3911-09		Nickel	

	Location	Description	Manufacturer	Finish	Color	Notes
	Hall	oulb)	Progress lighting, Maier, 1-light flushmount, P3910-09			
	Living	Flushmont Ceiling	Progress lighting, Maier, 2-light flushmount, P3911-09		Nickel	
	Dining Room	3-Light Chandelier	Progress lighting, Markor, P5199-09 light, P8823-01 shade		Nickel / Beige	
	Kitchen at sink	Flushmount Ceiling (1 bulb)	Progress lighting, Maier, 1-light flushmount, P3910-09		Nickel	
	Kitchen		Progress lighting, Maier, 2-light flushmount, P3911-09		Nickel	
	Kitchen	Undercabinet	24" flourescent		White	
	Bathroom 1	2-Light Vanity	Progress lighting, Maier, 2-light vanity, P7025-09EB		Nickel	
	Bedrooms, 1-3	Flushmount Ceiling	Progress lighting, Maier, 2-light flushmount, P3911-09		Nickel	
Lighting	Bedroom I closet	1-light-flushmount	Progress lighting, Maier, 1-light flushmount, P3910-09		Nickel	
d	n 2		Progress lighting, Maier, 2-light vanity, P7025-09EB		Nickel	
	anding	unt	Progress lighting, Maier, 1-light flushmount, P3910-09		Nickel	
	Basement utility	Ceramic base lamp	(switched, no pull chain)		White	
	Garage	Motion Detector Sconce Light	Dual Brite, SL-5318-WH-D		White	
	Front Entry Porch	Recessed Can	Rated for damp locations, CFL		white	
	Rear Entry Porch	Wall mounted	Patriot Lighting, Mission, MND0092A		white or Nickel	
	Outlet and Switchplate Covers				White	
	Kitchen	Kitchen Faucet	Moen, Bronze Model: 7825		Chrome	at Menards
Dlumking	Kitchen	Kitchen Sink	Moen, 33"X22"X8" Model 2212		Stainless	at Menards
Figures	Bathroom (2)	Bathroom Faucet	Moen, High Arc CA84003BRB		Chrome	at Menards
Lixuico		Recessed Oval Bowl Vanity Top	Imperial Marble, RCxx22SPW		White	at Menards
		Shower Valve, tub spout & head	Moen, 82008CBN		Chrome	at Menards
	Kitchen	Kitchen Cabinets	Midcontinent, full overlay 5-panel door, flat drawer	Oak	Natural	
	Kitchen	Kitchen Cabinet Hardware	Scrhock, all drawers and doors, H63		Nickel	at Menards or Home Depot
	Kitchen		WilsonArt, Canyon Black, 1755-1		Canyon Black	at Menards
Casework	Bathroom 1 & 2	Bathroom Vanity	Midcontinent, full overlay 5-panel door, flat drawer	Oak	Natural	
Furnishings	Bathroom 1		Moen, Model # DN6818xx		Nickel	at Menards
	Bathroom 2	(2)	Moen, Model # DN6818xx		Nickel	at Menards
	Bathroom 1-2	Toilet Paper Holder	Moen, Model # DN6808xx		Nickel	at Menards
		1	Moen, Model # DN2160xx		Nickel	at Menards

Specifical below in the Specifical Strong in Wall Plant Sheroin Wallams No COC, SW 6354 file Name Someth fishish Walls Balthooms Vall Plant Sheroin Wallams No COC, SW 6354 figh Sacras Machana Special Special Special Wallams No COC, SW 7637 file Special Special Special Special Special Wallams No COC, SW 7637 file Accessible Nase Special Gradian Walls Balthorous of Malls Accessible Nase Calling Plant Sheroin Wallams No COC, SW 7637 file Mach Accessible Nase Special Gradian Shath Individual Calling Plant Sheroin Wallams No COC, SW 7636 Gegach Geling Plant Sheroin Wallams No COC, SW 7606 Gegach Geling Plant Mach Accessible Nase Special Gradian Geling Plant Sheroin Wallams No COC, SW 7606 Gegach Geling Plant Mach Accessible Nase Special Gradian Geling Plant Sheroin Wallams No COC, SW 7606 Gegach Geling Plant Mach Accessible Nase Special Gradian Mach Accessible Nase Geling Plant Mach Accessible Nase Special Gra	the Catalog x 10 deserte	,		ALC: O	· marring by earning to	Concessor	
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Relation Wall Paint Sherwin Williams No VOC, SW 6154 Plant Saces Richen Wall Paint Sherwin Williams No VOC, SW 6154 eggeded Accessible beigg fibrouns Wall Paint Sherwin Williams No VOC, SW 6154 eggeded Accessible beigg fibrouns Vall Paint Sherwin Williams No VOC, SW 7052 filat Slewmist fibrouns Calling Paint Sherwin Williams No VOC, SW 7051 filat edgeded Accessible beigg fisher and Balmooms Calling Paint Sherwin Williams No VOC, SW 7050 semi geloss earning being fisher and Balmooms Calling Paint Sherwin Williams No VOC, SW 7050 semi geloss earning being fisher and Balmooms Calling Paint Sherwin Williams No VOC, SW 7050 semi geloss earning being fisher and paint Balm color Balm color Refright extended extended extended extended extended paint color fisher and a shower surround Carmic ble Gover balm dextended White Balm wool fisher and a shower surround Carmet Showe balm dextended White		Creamy		Sherwin Williams SW 7012	Paint color	Door panel at garage	
Ikelion) Wall Paint Sherwin Williams No VOC, SW 6154 fla. Nace Ikelen Wall Paint Sherwin Williams No VOC, SW 6154 fla. Mace Ikelen Wall Paint Sherwin Williams No VOC, SW 6154 eggded! Accessible heige Ikelen and Bathrooms Celling Paint Sherwin Williams No VOC, SW 7050 fla. celling oblite Ikelen and Bathrooms Celling Paint Sherwin Williams No VOC, SW 7060 fla. celling white Ikelen and Bathrooms Celling Paint Sherwin Williams No VOC, SW 7060 fla. celling white Ikelen and Bathrooms Celling Paint Sherwin Williams No VOC, SW 7060 fla. celling white Ikelen and Bathrooms Celling Paint Sherwin Williams No VOC, SW 7060 semigloss celling white Ikelen and Bathrooms Celling Paint Sherwin Williams No VOC, SW 7060 semigloss celling white Ikelen Stand Ceramic like Sherwin Williams No VOC, SW 7060 semigloss cell ming white Bright Ceramic like Free Cove bate I'mostal man No VOC, SW 7060 semingloss wall				Match Marvin windows, Medium Bronze	paint color	Door panel at house	
Ikelion) Wall Paint Sherwin Williams No VOC, SW 6154 fligh Nace Ikelen Wall Paint Sherwin Williams No VOC, SW 6154 fligh Mace Infloronis Wall Paint Sherwin Williams No VOC, SW 6154 fligh Accessible beigs Inflorophout (covery) Calling Paint Sherwin Williams No VOC, SW 7051 flat Slemmist Inflorophout (covery) Calling Paint Sherwin Williams No VOC, SW 7065 seng ded Accessible beigs Inflorophout (covery) Salid hardwood Refinish existing mod paper, at converted porth with new flight calling white Dining Salid hardwood Refinish existing hardwood sem year calling white Dining Carmin cible Particular No VOC, SW 7006 sem gloss carm white Dining Carmin cible Refinish existing hardwood sem white carm white Dining Carmin cible Particular No VOC, SW 7006 sem gloss carm white Dining Salid hardwood Reflect of the dills Reflect of the dills Reflect of the dills Reflect of the dills Re		Creamy		Sherwin Williams SW 7012	Paint color	Door and Window Trim	
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Ibelooy Wall Paint Sherwin Williams No VOC, SW 6154 flat Nacre Ichen Wall Paint Sherwin Williams No VOC, SW 7035 eggshell Accessible bage Introcaphout (escept) Wall Paint Sherwin Williams No VOC, SW 7035 eggshell Accessible bage Introcaphout (escept) Ceiling Paint Sherwin Williams No VOC, SW 7621 flat Sherwin Williams No VOC Sing, hase, Joons Paint color Sherwin Williams No VOC eggshell ceiling white Introcaphout (escept) Ceiling Paint Sherwin Williams No VOC eggshell ceiling white Sing, hase, Joors Paint color Sherwin Williams No VOC eggshell ceiling white Intro Ceiling Paint Sherwin Williams No VOC eggshell ceiling white Intro Ceiling Paint Sherwin Williams No VOC eggshell ceiling white Intro Ceiling Paint Sherwin Williams No VOC eggshell ceiling white Intro Certainte it Refinish existing and replace at converted parel white Intro Certamic ithe 6°		Retreat		Sherwin Williams SW 6207	Paint color	Siding	
Ibeliony Wall Paint Sherwin Williams No VOC, SW 6154 Eggsdell Nacre	at Menards	Satin Nickei		Schlage, Merano levers	Inrougnout	Door Hardware	
Ibelow) Wall Paint Sherwin Williams No VOC, SW 6154 flat Nacre Ichchen Wall Paint Sherwin Williams No VOC, SW 6154 eggsbell Nacre athronoms Wall Paint Sherwin Williams No VOC, SW 7025 eggsbell Accessible beige broughout (except Ceiling Paint Sherwin Williams No VOC flat ceiling white Kinchen and Bathrooms Ceiling Paint Sherwin Williams No VOC flat ceiling white Itry Solid hardwood Refinish existing hardwood Refinish existing hardwood semi-gloss extra white Bins Ceramic tile Refinish existing hardwood semi-gloss extra white Bins Ceramic tile For ove base white White Bins Ceramic tile Shad whay, White White Bins Ceramic tile Ger field tile White White Burn Ceramic tile Ger field tile White White Burn Ceramic tile Shaw, Steenity Garden Barn Wood Burn		Pant hmsh	Poplar	inels	Interior Door	Interior doors, pre-hung	
Ibelony Wall Paint Sherwin Williams No VOC, SW 6154 Eggshell Macre	at Menards				Steel Entry Door	Garage	Doors
Ibelow) Wall Paint Sherwin Williams No VOC. SW 6154 flat Nacre Ichen Wall Paint Sherwin Williams No VOC. SW 6154 eggshell Accessible beige utinc/Dning Wall Paint Sherwin Williams No VOC. SW 7036 eggshell Accessible beige flat Sherwin Williams No VOC. SW 7036 eggshell Accessible beige flat Sherwin Williams No VOC. SW 7621 flat Silvermist flat Celling Paint Sherwin Williams No VOC. SW 7006 eggshell celling white flat Celling Paint Sherwin Williams No VOC. SW 7006 eggshell celling white flat Celling White Sherwin Williams No VOC. SW 7006 eggshell celling white flat Shid hardwood Refinish existing hardwood eggshell celling white flat Sidd hardwood Refinish existing hardwood esmi-gloss extra white flat Ceramic tile 6x0 field tile field hardwood white white flat Ceramic tile 6x0 field tile field hardwood white	at Menards			Mastercraft LT-10 half view w/internal blind	Steel Entry Door	Rear Entry	
Ibelow Wall Paint Sherwin Williams No VOC. SW 6154 eggshell Nace	at Menards			Patina, Rochester	Steel Entry Door	Front Entry	
Ibelow) Wall Paint Sherwin Williams No VOC. SW 6154 flat Nacre Idichen Wall Paint Sherwin Williams No VOC. SW 6154 eggshell Nacre Idirorms Wall Paint Sherwin Williams No VOC. SW 7036 eggshell Accessible beige Introphoning Wall Paint Sherwin Williams No VOC. SW 7021 flat Silvermist Introphoning Celling Paint Sherwin Williams No VOC. flat Silvermist Kitchen and Bathrooms Celling Paint Sherwin Williams No VOC eggshell celling white Kitchen and Bathrooms Celling Paint Sherwin Williams No VOC eggshell celling white Kitchen and Bathrooms Celling Paint Sherwin Williams No VOC seni-gloss extra white Intro Ceramic tile Refinish existing hardwood seni-gloss extra white Barry Ceramic tile flows Sterenty Garden with new White Barry Ceramic tile flows Sterenty Garden White White Wish Carpet Shadwe by Sterenty Garden Barn Wood <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
Ibelow) Wall Paint Sherwin Williams No VOC, SW 6154 flat Nacre Lichen Wall Paint Sherwin Williams No VOC, SW 6154 eggshell Nacre athrooms Wall Paint Sherwin Williams No VOC, SW 7036 eggshell Nacres throughout (except) Celling Paint Sherwin Williams No VOC, SW 7621 flat Silvemist Kichen and Bathrooms Celling Paint Sherwin Williams No VOC flat celling white Kichen and Bathrooms Celling Paint Sherwin Williams No VOC ggshell celling white Ity Solid hardwood Refinish existing hardwood ggshell celling white Ity Solid hardwood Refinish existing hardwood semi-gloss extra white Ity Solid hardwood Refinish existing and replace at converted porch with new with White Ity Ceramic tile I'r mosting tile White Bard Sond White Ity Ceramic tile Sindovod White Bard Sand Barm Wood Ity Carpet Shaw. Serenty Garden	pre-purchased	White		Frigidaire: FAQG7001LW	Dryer	Laundry	
Ibelow) Wall Paint Sherwin Williams No VOC, SW 6154 flat Nacre licken Wall Paint Sherwin Williams No VOC, SW 6154 eggshell Nacre hirronms Wall Paint Shervin Williams No VOC, SW 7036 eggshell Nacessible beige hirrong Doing Wall Paint Shervin Williams No VOC, SW 7621 flat slivermist hirrong Doing Ceiling Paint Shervin Williams No VOC flat ceiling white hirrong Doing Ceiling Paint Shervin Williams No VOC flat ceiling white hirrong, buse, doors, collaboration Paint color Shervin Williams No VOC flat ceiling white hirrong, buse, doors, collaboration Paint color Refinish existing hardwood gegshell ceiling white huty Solid hardwood Refinish existing hardwood semi-gloss extra white ms Ceramic tile Refinish existing hardwood semi-gloss white m 2 year Ceramic tile Shadwood to match species, depth & width of existing White m 2 year Ceramic tile Shadow bay.	pre-purchased	White		Frigidaire: FAFW3801LW	Washer	Laundry	
Ibelow) Wall Paint Shervin Williams No VOC, SW 6154 flat Nacre lichen Wall Paint Shervin Williams No VOC, SW 6154 eggshell Nacre filthrooms Wall Paint Shervin Williams No VOC, SW 7036 eggshell Accessible bedge filthrooms Wall Paint Shervin Williams No VOC, SW 7036 eggshell Accessible bedge filthroombout (Scopt) Ceiling Paint Shervin Williams No VOC, SW 7621 flat Silvermist filthroombout (Sichen and Bathrooms Ceiling Paint Shervin Williams No VOC flat ceiling white filty Solid hardwood Refinish existing hardwood ggshell ceiling white fight Solid hardwood Refinish existing and replace at converted porch with new ggshell ceiling white fight Ceramic tile 1"mosaic tile White White Entry Ceramic tile 6% cove base White White White Barm Wood Barm Wood Barm Wood Infoor Carpet Shaw, Serenity Garden Barn Wood Barn Wood	pre-purchased	Stainless		Frigidaire: FGHD2433KF	Dishwasher	Kitchen	Appliances
Ibeloo) Wall Paint Sherwin Williams No VOC, SW 6154 flat Nacre Icichen Wall Paint Sherwin Williams No VOC, SW 6154 eggshell Nacre Ithroons Wall Paint Sherwin Williams No VOC, SW 7036 eggshell Nacresible beige Introogbout (except in dand bathrooms Ceiling Paint Sherwin Williams No VOC, SW 7621 flat Silvermist Kilchen and Bathrooms Ceiling Paint Sherwin Williams No VOC flat ceiling white Kilchen and Bathrooms Ceiling Paint Sherwin Williams No VOC flat slivermist Itry Solid hardwood Refinish existing and replace at converred porch with new legshell ceiling white Itry Solid hardwood Refinish existing and replace at converred porch with new white white Itry Ceramic tile I' mosaic tile White White It start Ceramic tile 6x6° field tile White It start Carpet Shaw, Serenity Garden Barn Wood It floor Carpet Shaw, Serenity Garden barn Wood <t< td=""><td>pre-purchased</td><td>Stainless</td><td></td><td>Frigidaire: FFHT2126LS/K</td><td>Refrigerator</td><td>Kitchen</td><td></td></t<>	pre-purchased	Stainless		Frigidaire: FFHT2126LS/K	Refrigerator	Kitchen	
Wall Paint Sherwin Williams No VOC, SW 6154 flat Nacre Wall Paint Sherwin Williams No VOC, SW 6154 eggshell Nacre wall Paint Sherwin Williams No VOC, SW 7036 eggshell Nacre out (except out (except) Ceiling Paint Sherwin Williams No VOC, SW 7621 flat Silvemiist da Bathrooms Ceiling Paint Sherwin Williams No VOC flat ceiling white build bardwood Sherwin Williams No VOC eggshell ceiling white colors. Paint color Refinish existing hardwood semi-gloss extra white solid hardwood Refinish existing and replace at converted porch with new hardwood in match species, depth & width of existing White set 1-2 Ceramic tile Shadow bay. White cer surround Ceramic tile Shaw, Serenity Garden Beach Sand Carpet Shaw, Serenity Garden Barn Wood Carpet Shaw, Serenity Garden Barn Wood Concrete sealer Shaw, Serenity Garden Barn Wood Concrete sealer Frigidaire, FFGF3053LS Stainless	pre-purchased	Stainless		Frigidaire: FFMV162LS	Microhood	Kitchen	
Wall Paint Sherwin Williams No VOC, SW 6154 flat Nacre Wall Paint Sherwin Williams No VOC, SW 6154 eggshell Nacre wall Paint Sherwin Williams No VOC, SW 7036 eggshell Accessible beige ut (except oom) Ceiling Paint Sherwin Williams No VOC, SW 7021 flat Silvermist ut (except oom) Ceiling Paint Sherwin Williams No VOC flat Silvermist ut (except oom) Ceiling Paint Sherwin Williams No VOC flat Silvermist ut (except oom) Ceiling Paint Sherwin Williams No VOC flat Silvermist solid hardwood Paint color Refinish existing hardwood eggshell ceiling white Solid hardwood Refinish existing and replace at converted porch with new emi-gloss extra white Set 1-2 Ceramic tile 6" cove base White Carpet Shaw, Serenity Garden White Carpet Shaw, Serenity Garden Barn Wood Carpet Shaw, Serenity Garden barn Wood Concrete sealer Shaw, Serenity Garden	pre-purchased	Stainless		Frigidaire: FFGF3053LS	Range	Kitchen	
Wall Paint Sherwin Williams No VOC, SW 6154 flat Nacre wall Paint Sherwin Williams No VOC, SW 6154 eggshell Nacre wall Paint Sherwin Williams No VOC, SW 7036 eggshell Accessible beige uti (except out) Ceiling Paint Sherwin Williams No VOC, SW 7621 flat ceiling white nd Bathrooms Ceiling Paint Sherwin Williams No VOC flat ceiling white 2, doors. Paint color Sherwin Williams No VOC eggshell ceiling white 2, doors. Paint color Sherwin Williams No VOC eggshell ceiling white 3, doors. Paint color Sherwin Williams No VOC eggshell ceiling white 4, doors. Paint color Refinish existing hardwood eggshell ceiling white 5, doors. Paint color Refinish existing and replace at converted porch with new white 6, ceramic tile 1" mosaic tile White 6, cove base White White 6, carpet Shaw, Serenity Garden Barn Wood 6, carpet Shaw, Se							
Wall Paint Sherwin Williams No VOC, SW 6154 Eggshell Nacre					Concrete sealer	Basement floor	
Wall Paint Sherwin Williams No VOC, SW 6154 flat Nacre Wall Paint Sherwin Williams No VOC, SW 6154 eggshell Nacre Wall Paint Sherwin Williams No VOC, SW 7036 eggshell Accessible beige ut (except ut (except cliing Paint Sherwin Williams No VOC, SW 7621 flat Silvermist nd Bathrooms Ceiling Paint Sherwin Williams No VOC flat ceiling white nd Bathrooms Ceiling Paint Sherwin Williams No VOC eggshell ceiling white nd Bathrooms Ceiling Paint Sherwin Williams No VOC eggshell ceiling white nd Bathrooms Paint color Sherwin Williams No VOC eggshell ceiling white nd Bathrooms Paint color Sherwin Williams No VOC eggshell ceiling white nd Bathrooms Paint color Sherwin Williams No VOC eggshell ceiling white nd Bathrooms Paint color eggshell ceiling white nd Bathrooms eggshell ceiling white eggshell nd Bathrooms eggshell ceiling white		harn Wood		Shaw Serenity Garden	Carpet	Rasement Stair ton landing	
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Wall Paint Sherwin Williams No VOC, SW 6154 flat Nacre Wall Paint Sherwin Williams No VOC, SW 6154 eggshell Nacre Wall Paint Sherwin Williams No VOC, SW 7036 eggshell Accessible beige ming Wall Paint Sherwin Williams No VOC, SW 7621 flat ceiling Paint com) Ceiling Paint Sherwin Williams No VOC flat ceiling white nd Bathrooms Ceiling Paint Sherwin Williams No VOC eggshell ceiling white p. doors Paint color Sherwin Williams No VOC SW 7006 semi-gloss extra white p. doors Paint color Sherwin Williams No VOC SW 7006 semi-gloss extra white p. doors Solid hardwood Refinish existing and replace at converted porch with new hardwood to match species, depth & width of existing White ceramic tile I' mosaic tile White Ceramic tile G' cove base White		White		6x6" field tile	Ceramic tile	Bathroom 2 shower surround	
Wall Paint Sherwin Williams No VOC, SW 6154 flat Nacre Wall Paint Sherwin Williams No VOC, SW 6154 eggshell Nacre Wall Paint Sherwin Williams No VOC, SW 7036 eggshell Accessible beige uning Wall Paint Sherwin Williams No VOC, SW 7621 flat Silvermist ceiling Paint Sherwin Williams No VOC flat ceiling white nd Bathrooms Ceiling Paint Sherwin Williams No VOC eggshell ceiling white paint color Sherwin Williams No VOC eggshell ceiling white paint color Sherwin Williams No VOC SW 7006 semi-gloss extra white paint color Sherwin Williams No VOC SW 7006 semi-gloss extra white paint color Refinish existing hardwood semi-gloss extra white paint color Refinish existing hardwood semi-gloss extra white paint color Refinish existing hardwood hardwood hardwood hardwood on match species, depth & width of existing White		White		6" cove base	Ceramic tile	Bathroom wall base 1-2	
Wall Paint Sherwin Williams No VOC, SW 6154 flat Nacre Wall Paint Sherwin Williams No VOC, SW 6154 eggshell Nacre Wall Paint Sherwin Williams No VOC, SW 7036 eggshell Accessible beige ning Wall Paint Sherwin Williams No VOC, SW 7621 flat Silvermist oom) Ceiling Paint Sherwin Williams No VOC flat ceiling white ceiling Paint Sherwin Williams No VOC eggshell ceiling white ceiling Paint color Sherwin Williams No VOC eggshell ceiling white		White		1" mosaic tile	Ceramic tile	Bathrooms	
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Wall Paint Sherwin Williams No VOC, SW 6154 flat Nacre Wall Paint Sherwin Williams No VOC, SW 6154 eggshell Nacre Wall Paint Sherwin Williams No VOC, SW 7036 eggshell Accessible beige ning Wall Paint Sherwin Williams No VOC, SW 7621 flat Silvermist ut (except Ceiling Paint Sherwin Williams No VOC flat ceiling white	smooth finish	ceiling white			Ceiling Paint	Ceiling Kitchen and Bathrooms	
Wall Paint Sherwin Williams No VOC, SW 6154 flat Nacre Wall Paint Sherwin Williams No VOC, SW 6154 egg shell Nacre Wall Paint Sherwin Williams No VOC, SW 7036 egg shell Accessible beige Wall Paint Sherwin Williams No VOC, SW 7621 flat Silvermist	Match existing texture	ceiling white			Ceiling Paint	kitchen and bathroom)	,
Wall Paint Sherwin Williams No VOC, SW 6154 flat Nacre Wall Paint Sherwin Williams No VOC, SW 6154 eggshell Nacre Wall Paint Sherwin Williams No VOC, SW 7036 eggshell Accessible beige	Smooth finish	Silvermist	flat		Wall Paint	Walls Living / Dining	Coatings
v) Wall Paint Sherwin Williams No VOC, SW 6154 flat Nacre Wall Paint Sherwin Williams No VOC, SW 6154 eggshell Nacre	Smooth finish	1 2	eggshell		Wall Paint	Walls Bathrooms	
Wall Paint Sherwin Williams No VOC, SW 6154 flat Nacre	Smooth finish	Nacre			Wall Paint	Walls Kitchen	
THEOREM (NAVOREM)	Smooth finish	Nacre			Wall Paint	specified below)	

Materials Pre-Purchased for: 831 Carroll Avenue

1. Menards garage kit

Includes: framing and roof trusses, sheathing, service door and small window (see attached invoice for details)

2. All, Inc. Appliances

Refrigerator: FFHT2126LS/K Energy Star Rated 21 cu ft top mount refrigerator, stainless steel, with icemaker

Range: FFGF3053LS Frigidaire 30" Free-Standing Gas Range, Self Clean, Clock Microwave/Hood: FFMV162LS Over the Range Micro/Hood, to be vented to exterior Dishwasher: FGHD2433KF Energy STAR 24" Built-In Dishwasher, including dishwasher cord

Washer: FAFW3801LW Energy STAR Residential Front Load Washer

Dryer: FAQG7001LW Residential Gas Dryer

3. Lampert Roofing

Includes: GAF Elk Timberline 30 year HD shingles, Timbertex, Ice & Water shield and 15

lb felt

Shingle Color: Weathered Wood

Shingle Location: House and New Garage

4. Lampert Siding

Includes: Pre-primed Hardie Siding and Tyvek Housewrap

Siding Location: House and New Garage

Delivery of all materials to the job site is included in pre-purchase. Contractor is responsible for contacting specified vendor to arrange for and take delivery. See attached invoices for specifics and vendor contact information.

Defivery Agreement - Guest Copy

Delivery Agreement # 4466847

Page 1 of 1

Guest Name - Address - Phone - Email	
City of St Paul	
831 Carroll	
Saint Paul, MN 55104	
(651)266-6581 NA NA	

Setup Date: 01/30/2012

DELIVERY ADDRESS

831 Caroll Ave. Saint Paul, MN 55104

TERMS AND CONDITIONS

- The delivery charge will be as per the "Delivery Charge Rate Card," plus fuel surcharge if applicable.
- 2. Deliveries are during store operating hours. All efforts will be made to accommodate requested times.
- 3.All loads are taken off the truck and set/dumped (placed) on the driveway unless additional handling charges are paid
- 4. Adequate access and sufficent area is required to dump or unload materials on level grade. If the driver is instructed to unload the material in such a place that is likely to tear up a lawn, crack cement by driving over it, get the truck or material stuck, etc. the delivery service is not responsible and the delivery guest assumes complete responsibilty.
- 5.I agree that the delivery will be provided by an independently owned delivery service. I agree that all disputes over any damages I may suffer due to this delivery including damaged merchandise or shortages will be resolved through the delivery service and therefore agree to hold Menards and its employees harmless due to such damages.

By purchasing this service and/or accepting product that is delivered, the purchaser agrees to the terms and conditions detailed above.

CASHIER- Press 'Recall Trans' before scanning each of the barcodes below. You must scan ALL of the barcodes on this page. If there are additional pages of barcodes attached to this Delivery Agreement, each barcode on those sheets must be scanned as well



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DELIVERY SERVICE

For Delivery Services Inquiries Please Contact:

Jim Thuman's Trucking

Jim Thuman
724 Madison St. NE
Minneapolis,MN 55413
Business Phone:(651)246-3452
Cell Phone:(651)246-3452
Email;jtdj6258@msn.com
Insured through:
Hatch Agency, inc
6121 Baker Rd Suite 102
Minnetonka, MN 55345
Agent:Mike Hatch
(952)933-8080

mhatch@hatchagency.com

		DELIVEDY DI ACEMI	ENT AND ODECIAL I	NETRUCTIONS	<u></u>	DELIVERY CHARGES
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PICKING LIST - GUEST COPY

STORE # 3181 SPMW 2005 W. University Ave. St. Paul, MN 55104

PHONE: (651) 645-1295 FAX: (651) 645-9809

CASHIER - PRESS RECALL TRANS AND SCAN BARCODE ==>

SPMW 78193

CASHIER:

PLEASE STAPLE RECEIPT HERE.

PAGE 1 OF 2

SOLD BY: mks DATE: 01/30/12 **GUEST NAME - ADDRESS - PHONE**

City of St Paul 831 Carroll Saint Paul, MN 55104

(651) 266-6581

QUA1	NTIT	Υ	DESCRIPTION		SKU NUMBER	UNIT PRICE EXTENDED PRIC
	82	EACH	2X4X92 5/8" SPF CONSTR	STUD	102-1091	
	8	EACH	2X4X10' STUD/#2+BTR SPF	CONST LUMBER	102-1114	
	12	EACH	2X4X12' #2+BTR SPF	CONST LUMBER	102-1127	
	4	EACH	2X4X14' #2+BTR SPF	CONST LUMBER	102-1130	
	8	EACH	2X4X16' #2+BTR SPF	CONST LUMBER	102-1143	
	2	EACH	2X6X8' STUD/#2+BTR SPF	CONSTR LUMBER	102-1758	
	8	EACH	2X6X14' #2+BTR SPF	CONSTR LUMBER	102-1787	
	2	EACH	2X12X18' #2&BTR FIR CONS	TLUMBER	102-2197	
	1	EACH	2X4-6' AC2 TREATED AG	ARSENIC FREE LV	V 111-0805	
	3	EACH	2X4-10' AC2 TREATED AG	ARSENIC FREE LW	V 111-0821	
	3	EACH	2X4-12' AC2 TREATED AG	ARSENIC FREE LW	V 111-0834	
	, 1	EACH	1/2'' (15/32)-4'X8' CDX	3-PLY 3-BLK STF	R 123-1085	
	23	EACH	7/16'' (14/32)-4'X8' OSB	3-WHITE STRIPES	5 124-2728	
	2,3	EACH	1/2" (16/32) -4'X8' OSB	2WHT 1BLK STRPE	E 124-2809	
	2	EACH	3 1/2" X 50' SILL SEALER	FOAM	161-1602	

TO AVOID PRODUCT NOT BEING AVAILABLE ON A LATER DATE.
PLEASE PICK UP ALL MERCHANDISE TODAY. THANK YOU.

This is a quote valid today. Upon payment this quote becomes a yard picking list subject to the terms and conditions below. Quantities listed above may exceed quantities available for immediate pick-up. Product is not held for a specific guest, but instead is available to the buying public on a first come, first serve basis. Please pickup all purchases made on this picking list immediately. Failure to pick up products on this picking list today will result in additional charge to you if, on the day of pick up, the retail price of the products are higher than on the day purchased. Menards liability to you is limited to refunding your original purchase price for any product not picked up.

1. Take this picking list to a cashier to pay for the merchandise.

Enter the outside yard to pick up your merchandise. (All vehicles are subject to inspection.) Load your merchandise. (Menards Team Members will gladly help you load your materials but cannot be held liable for damage to your vehicle.)

When exiting the yard, present this list to the Gate Guard. (The Gate Guard will record the items you are taking with you.)

Sign the Gate Guard's signature pad verifying you've received the merchandise.

Our insurance does not allow us to tie down or secure your load, trunk lid, etc. For your convenience, we supply twine, but you will have to decide whether or not your load is secure and if the twine supplied is strong enough. If you do not believe the twine will suffice, stronger material can be purchased inside the store.

READ THE TERMS AND CONDITIONS CAREFULLY. All returns are subject to Menards' posted return policy. In consideration for Menards low prices you agree that if any merchandise purchased by you is defective, Menards will agree to exchange the merchandise or refund the purchase price based on the form of original payment. You agree that there shall be no other remedy available to you. If there is a warranty provided by the manufacturer, that warranty shall govern your rights and Menards shall be selling the product "AS IS." Oral statements do not constitute warranties, and are not a part of this contract. The guest agrees to inspect all merchandise prior to installing or using it. UNDER NO CIRCUMSTANCES SHALL MENARDS BE LIABLE FOR ANY SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES. MENARDS MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OF THE MERCHANDISE. Any controversy or claim arising out of or relating to this contract, or the breach thereof, shall be settled by arbitration administered by the American Arbitration Association under its applicable Consumer or Commercial Arbitration Rules, and judgments on the award rendered by the arbitrator(s) may be entered in any court having jurisdiction thereof. The guest agrees to these terms and conditions through purchase of merchandise contained on this document.

THIS IS NOT A RECEIPT

GATE GUARD - SCAN HERE ==>



(CONTINUED)

PRE-TAX TOTAL:

MENARDS

PICKING LIST - GUEST COPY

STORE # 3181 SPMW 2005 W. University Ave. St. Paul, MN 55104

PHONE: (651) 645-1295 FAX: (651) 645-9809

CASHIER - PRESS RECALL TRANS AND SCAN BARCODE ==>

SPMW 78193

CASHIER:

PLEASE STAPLE RECEIPT HERE.

PAGE 2 OF 2

SOLD BY: mks
DATE: 01/30/12

GUEST NAME - ADDRESS - PHONE

City of St Paul 831 Carroll

Saint Paul, MN 55104

Ph: (651) 266-6581

QUANTITY	DESCRIPTION	SKU NUMBER	UNIT PRICE EXTENDED PRICE
1 EACH	BB ENTRY GEORGIAN KNOB F51VGE0505	221-3918	
4 EACH	1/2"PLYWD CLIP STEEL 25/BPC12-BMC 10BGS	/ 227-1303	
20 EACH	RAFTER TIE RT15-TZ	227-1647	
1 EACH	36X24 VINYL SLIDER CLEAR GLASS	403-0633	
1 EACH	CM1 6-PANEL STEEL DOOR PH36X80 LH SB	414-1554	
1 EACH	PINE TAPERED SHIMS 12 CT 3/8X1-1/4X8''	433-4222	

TO AVOID PRODUCT NOT BEING AVAILABLE ON A LATER DATE PLEASE PICK UP ALL MERCHANDISE TODAY. THANK YOU.

This is a quote valid today. Upon payment this quote becomes a yard picking list subject to the terms and conditions below. Quantities listed above may exceed quantities available for immediate pick-up. Product is not held for a specific guest, but instead is available to the buying public on a first come, first serve basis. Please pickup all purchases made on this picking list immediately. Failure to pick up products on this picking list today will result in additional charge to you if, on the day of pick up, the retail price of the products are higher than on the day purchased. Menards liability to you is limited to refunding your original purchase price for any product not picked up.

Guest Instructions:

1. Take this picking list to a cashier to pay for the merchandise.

2. Enter the outside yard to pick up your merchandise. (All vehicles are subject to inspection.)

3. Load your merchandise. (Menards Team Members will gladly help you load your materials but cannot be held liable for damage to your vehicle.)

4. When exiting the yard, present this list to the Gate Guard. (The Gate Guard will record the items you are taking with you.)

5. Sign the Gate Guard's signature pad verifying you've received the merchandise.

Our insurance does not allow us to tie down or secure your load, trunk lid, etc. For your convenience, we supply twine, but you will have to decide whether or not your load is secure and if the twine supplied is strong enough. If you do not believe the twine will suffice, stronger material can be purchased inside the store.

READ THE TERMS AND CONDITIONS CAREFULLY. All returns are subject to Menards' posted return policy. In consideration for Menards low prices you agree that if any merchandise purchased by you is defective, Menards will agree to exchange the merchandise or refund the purchase price based on the form of original payment. You agree that there shall be no other remedy available to you. If there is a warranty provided by the manufacturer, that warranty shall govern your rights and Menards shall be selling the product "AS IS." Oral statements do not constitute warranties, and are not a part of this contract. The guest agrees to inspect all merchandise prior to installing or using it. UNDER NO CIRCUMSTANCES SHALL MENARDS BE LIABLE FOR ANY SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES.

MENARDS MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OF THE MERCHANDISE. Any controversy or claim arising out of or relating to this contract, or the breach thereof, shall be settled by arbitration administered by the American Arbitration Association under its applicable Consumer or Commercial Arbitration Rules, and judgments on the award rendered by the arbitrator(s) may be entered in any court having jurisdiction thereof. The guest agrees to these terms and conditions through purchase of merchandise contained on this document.

THIS IS NOT A RECEIPT

GATE GUARD - SCAN HERE ==>





SPECIAL ORDER CONTRACT **GUEST COPY**

STORE # 3181 SPMW 2005 W. University Ave. St. Paul, MN 55104

PHONE: (651) 645-1295 FAX: (651) 645-9809

GUEST NAME - ADDRESS - PHONE

PAGE 1 OF 1

SPMW 30118985

UNIT PRICE EXTENDED PRICE

City of St Paul 831 Carroll

Saint Paul, MN 55104 Ph: (651) 266-6581

THANK YOU!

ESTIMATED ARRIVAL DATE NOT BINDING ON MENARD, INC. BASED ON PROMISES BY OTHERS 02/09/12

SOLD BY

ORDER DATE

PETER V.

01/30/12

QTY ORDERED DESCRIPTION SKU 10 EACH 22'STD 4/12 2'OC 2'OH 62# 187-1267 2 EACH 22' STUDDED END FRAME 4/12 PITCH 187-1283

CASHIER:

PLEASE

STAPLE

RECEIPT

HERE.

This is a quote valid today. This quote becomes an order upon payment and a valid Menards receipt for this order is attached.

READ THIS CONTRACT CAREFULLY. The terms and conditions set forth in this document are a complete and final expression of the parties. Any and all claims under this special order contract must be brought within one year of the purchase of said merchandise. Special order merchandise may be refunded at Menards sole discretion with a 25% restocking fee. The purchaser is responsible for all measurements, sizes, and colors as stated above. The purchaser's exclusive remedy if the merchandise is defective or fails to conform to the terms of the contract is replacement of the merchandise. All defects and non-conformities must be reported to Menards within 3 days upon receipt of the merchandise. If there is a specific written warranty from the manufacturer the purchaser understands that this merchandise is sold on an "AS IS," basis and the manufacturer's warranty shall govern my rights. MENARDS MAKES NO WARRANTIES, EXPRESS OR IMPLIED AS TO THE MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OF THE MERCHANDISE. If the exclusive remedy fails its essential purpose, Menards liability shall not exceed the purchase price of the merchandise. MENARDS SHALL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES. In the event that the purchaser refuses to and or fails to pick up the merchandise within 30 days after receiving notification of its availability, Menards may liquidate the merchandise and shall be entitled to 25% the purchase price as liquidated damages. Menards may withhold any payment received as partial satisfaction for its damages. If the vendor, which supplies the merchandise on this contract fails to perform, the purchaser agrees that Menards shall not be liable. Because of wide variations in codes, there are no representations that the materials listed herein meet your code requirements. The Purchaser agrees that any controversy or claim arising out of or relating to this contract, or the breach thereof, shall be settled by binding arbitration administered by the American Arbitration Association under its applicable Consumer or Commercial Arbitration Rules. A judgment on an award rendered by the arbitrator(s) may be entered in any court having jurisdiction thereof.
YOUR PURCHASE OF THE MERCHANDISE ON THIS CONTRACT CONSTITUTES

TERMS AND CONDITIONS LISTED IN THE CONTRACT.

SUB-TOTAL:

SHIPPING:

PRE-TAX TOTAL:

VENDOR: MIDWEST MANUFACTURING

For the most accurate and up-to-date status of your order, please visit:

www.menards.com

If this is a partial pickup, please verify all quantities/items being signed for. Menards is not responsible for shortages after leaving the vard.

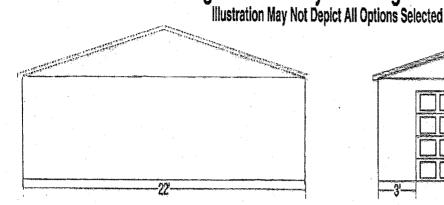


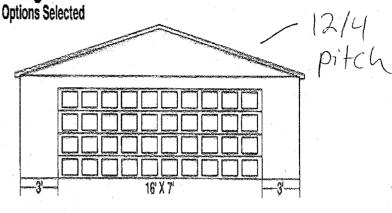
Design # 74105



Page 2 of 2 1/5/2012

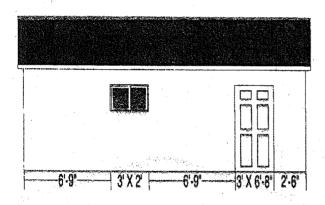
*** Here are the wall configurations for your design.

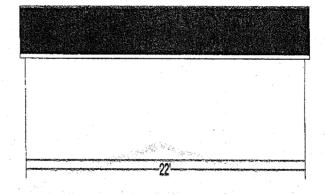




Gable Front View

(1) - 16X7 WHITE NONINSL RAISEDPNL EXTSP M5ST





Eave Front View (1) - 36X24 SELECT 100 SLID IGPC2SG3020 (1) - CM1 6-PANEL STEEL DOOR PH36X80 RH SB

Eave Back View

Building Size: 22 feet wide X 22 feet long X 8 feet high Approximate Peak Height: 12 feet 0 inches (144 inches)

Menards provided material estimates are intended as a general construction aid and have been calculated using typical construction methods. Because of the wide variable in codes and site restrictions, all final plans and material lists must be verified with your local zoning office, architect and/or builder for building design and code compliance.

Menards is a supplier of construction materials and does not assume liability for design, engineering or the completeness of any material lists provided. Underground electrical, phone and gas lines should be located and marked before your building plans are finalized. Remember to use safety equipment including dust masks and sight and hearing protection during construction to ensure a positive building experience.



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Order #: S1276826

P/O # : 831 CARROLL AVE

Printed: 10:00:07 26 JAN 2012

Page # : 1 of 2

Order Phone: 651-266-6581 Cust. Phone: 651-266-6581

Sold To:

CITY OF ST. PAUL DEPT PLANNING ECONOMIC / HRA 25 WEST 4TH STREET, SUITE 1100 SAINT PAUL, MN 55102 ** C.O.D. ** C.O.D. ** C.O.D. **

Ship To:

CITY OF ST. PAUL DEPT PLANNING ECONOMIC / HRA 831 CARROLL AVE

SAINT PAUL, MN 55107

Owdowed his	Order Date Ship Da	te Ship Via	Warehou	
Ordered by PER RAGNELLO	01/24/12 12/01/1		Shp 1	
Writer	Salesperson	Release #	Freight	Allowed
Edmund Rustin	Ross Agnello	831 CARROLL AVE	No	·
Ordered		on g Instructions ***	Net Prc	Ext Pro
	* **TBD**	and the second s		

1ea	FFHT2126LS FRIGID MOUNT REFRIGERATO (STAINLESS) RIGHT	R; ESTAR;		
• .	Serial#_ >>CONFIRM DOOR HI	NGE<<		
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1ea	SVC- INSTALL ICE DELIVERY:	MAKER KIT PRIOR TO		
1ea	FFGF3053LS FRIGID RANGE; (STAINLESS	() *		
	*SPECIAL ORDER IT Serial#			
1ea	(STAINLESS) *	IRE OTR MICROWAVE;		
1ea	IN DISHWASHER; ES	TAR; (STAINLESS) *		
	*SPECIAL ORDER IT Serial#			
1ea	STRAIGHT CAP;	SHER/DISPOSAL CORD		
1ea	SVC- INSTALL POWE DELIVERY:			
1ea	FAFW3801LW FRIGID)AD WASHER; (WHITE)		
	SPECIAL ORDER IT Serial#_	'EM - NO RETURNS		
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^{***} Continued on Next Page *** .. Reprint .. Reprint .. Reprint .. Reprint ..



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Order #: S1276826

P/O # : 831 CARROLL AVE Printed: 10:00:07 26 JAN 2012

Page # : 2 of 2

Order Phone: 651-266-6581 Cust. Phone: 651-266-6581

Sold To:

CITY OF ST. PAUL DEPT PLANNING ECONOMIC / HRA 25 WEST 4TH STREET, SUITE 1100 SAINT PAUL, MN 55102

** C.O.D. ** C.O.D. ** C.O.D. **

Ship To:

CITY OF ST. PAUL

DEPT PLANNING ECONOMIC / HRA

831 CARROLL AVE

SAINT PAUL, MN 55107

	Order Date Ship Date	Ship Via	Warehou	se
Ordered by PER RAGNELLO	01/24/12 12/01/12	OT DELIVERY	Shp 1	Prc 1
Writer Edmund Rustin	Salesperson Ross Agnello	Release # 831 CARROLL AVE	Freight No	Allowed
Ordered	Product Description		.н	
1ea	FAQG7001LW FRIGIDAIN	RE AFFINITY		
rea	FRONT LOAD GAS DRYE	R; (WHITE)		
	SPECIAL ORDER ITEM	- NO RETURNS		
	Serial#			
4ea	SVC- UNCRATE AND SET (free standing produ	F: uct only /		
	built-ins left in ca	arton)		
2ea	SVC- DROP DELIVERY: (no uncrate and set	- drop only)		
1ea	SVC- INSTALL ANTI-T	IPS:		
1ea	LABOR CHARGE / TAXA			
-1ea	DISCOUNT:			

SUBTOTAL SALES TAX

Total Amount



Yard Delivery Order

9220 Hudson Blvd.

Lake Elmo MN 55042

Phone: 651-739-5400 Fax: 651-739-0267

KEEP RECEIPTS FOR *RETURNS/EXCHANGES*

Invoice #:

Invoice Date: 01/26/2012

Customer Master Account #: 5154158 Customer Job Account #: 5154160

Sold To: CITY OF ST PAUL

PLANNING & ECON DEVELOP

St Paul, MN 55102

Ship To: CITY OF ST PAUL

831 CARROLL AVE.

ROOFING

St Paul, MN 55102

11	1125784	1.				Customer PO Sales Rep Payment Terms Involce Type 207 STATEMENT DATE YARD/DEL ORDER
Item No	Oty Ordere	d Ship	ty ped	B/O	Ú/M	Description Upit Price
			keer coals at			Bescription Unit Price Total 831 CARROLL AVE.
						ROOFING FOR HOUSE & NEW GARAGE.
7744005			, mô		l	
0744007	4	2	72		BDL	GAF TIMBERLN HI-DF WEATHERD WD
0741007	0	7	7		BDL	(24 SQR TOTAL) GAF/ELK TIMBERTEX 20' WEATHR WD
0711025		8	8			GENERIC ICE&WATER GRAN 2SQ 3'X66
0710004	0	7	7		ROLL	FELT NO.15-36IN ASPHALT 4SQ
						Total Ship Units: 6695.000 LB
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Lumber • Building Materials amperts

Yard Delivery Order

9220 Hudson Blvd.

Lake Elmo MN 55042

Phone: 651-739-5400 Fax: 651-739-0267

KEEP RECEIPTS FOR *RETURNS/EXCHANGES*

Invoice #:

Invoice Date: 01/27/2012

Customer Master Account #: 5154158 Customer Job Account #: 5154160

Sold To: CITY OF ST PAUL

PLANNING & ECON DEVELOP

St Paul, MN 55102

Ship To: CITY OF ST PAUL

831 CARROLL AVE

SIDING

St Paul, MN 55102

Store No.	Order		Or	der Da	te .	Customer-Po	Sales Rep	Payment Terms	
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	5	ity ered 617 5	City Shipped			Description 831 CARROLL AVE. SIDING FOR HOUSE & . HARDI SDG 5/16X7-1/ (37 SQR TOTAL) HOUSEWRAP 9'X100' T	NEW GARA		otal property
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Home Energy Rating Certific

831 Carroll Ave

Saint Paul, MN 55106



Uniform Energy Rating System

Uniform	Uniform Energy Rating System	g System	ı				Energy Efficient	Efficient	
1 Star	1 Star Plus	2 Stars	1 Star Plus 2 Stars 2 Stars Plus 3 Stars 3 Stars Plus 4 Stars Plus 4 Stars Plus 5 Stars 5 Stars Plus	3 Stars	3 Stars Plus	4 Stars	4 Stars Plus/	5 Stars	5 Stars Plus
500-401	400-301	300-251	500-401 400-301 300-251 250-201 200-151	200-151	150 101	100-91	90-86 //	85-71	85-71 70 or Less
HERS Index:		131							
General I	General Information				_				
	Conditioned Area:		2266 sq. ft.		I	HouseType:	Single-family detached	lly detach	ed
0	Conditioned Volume:	olume:	17735 cubic ft			oundation:	Foundation: More than one type	onetype	
	Bedr	Bedrooms: 3	ω						

Mechanical Systems Features

Heating: Fuel-fired air distribution, Natural gas, 80.0 AFUE.

Water Heating: Conventional, Natural gas, 0.56 EF, 40.0 Gal.

Duct Leakage to Outside: RESNET/HERS default

Ventilation System:

Programmable Thermostat: Heating: No Cooling: No

Slab: R-0.0 Edge, R-0.0 Under Method: Blower door test	Foundation Walls: R-0.0 Rate: Htg: 3470	Above Grade Walls: R-11 Infiltration:	Vaulted Ceiling: NA Window Type: D W Op (w/St	Ceiling Flat: R-11 Exposed Floor: R-0	Building Shell Features	
l: Blower door test	e: Htg: 3470 Clg: 3470 CFM50		e: DW Op (w/St)	r: R-0		

The Home Energy Rating Standard Disclosure for this home is available from the rating provider.

Dishwasher Energy Factor:

0.46

Ceiling Fan (cfm/Watt):

0.00 2.67 Natural gas Natural gas

Clothes Dryer Fuel: Range/Oven Fuel:

Clothes Dryer EF:

Percent Garage Lighting: Percent Interior Lighting:

0.00

0.00 691.00

Refrigerator (kWh/yr):

REM/Rate - Residential Energy Analysis and Rating Software v12.99

This information does not constitute any warranty of energy cost or savings © 1985-2012 Architectural Energy Corporation, Boulder, Colorado.

Registry ID:

Certified Energy Rater: Michael Childs Rating Number: 526-1276

Rating Date: 5/18/2012

Rating Ordered For: City of Saint Paul

100%	\$2886		Total
6%	\$180		Service Charges
-0%	\$-0	-0.0	Photovoltaics
22%	\$631	28.1	Lights/Appliances
7%	\$199	22.1	Hot Water
0%	\$0	0	Cooling
65%	\$1877	201.9	Heating
Percent	Cost	MMBtu	Use
		As Is	
	ergy Cost	Estimated Annual Energy Cost	Estima

This home meets or exceeds the minimum criteria for all of the following:

TITLE

Company

City, State, Zip Address

Phone #

Fax #

Home Energy Rating Certific

831 Carroll Ave

Saint Paul, MN 55106



Projected Rating 5 Stars

Uniform Energy Rating System

General Information HERS Index: 500-401 1 Star Conditioned Volume: 1 Star Plus Conditioned Area: 400-301 2 Stars 300-251 2266 sq. ft. 17735 cubic ft 2 Stars Plus 250-201 3 Stars 200-151 3 Stars Plus (50\101 Foundation: HouseType 4 Stars 100-91 4 Stars Plus/ \\5 Stars Single-family detached More than one type 90-86 **Energy Efficient** 85-71 5 Stars Plus 70 or Less

Mechanical Systems Features Bedrooms:

Heating: Fuel-fired air distribution, Natural gas, 95.0 AFUE

Water Heating: Conventional, Natural gas, 0.67 EF, 40.0 Gal.

Cooling: Air conditioner, Electric, 16.0 SEER

Duct Leakage to Outside: 80.00 CFM.

Ventilation System: Balanced: 80 cfm, 15.0 watts.

Programmable Thermostat: Heating: Yes Cooling: Yes

Building Shell Features

Slab: R-0.0 Edge, R-0.0 Under	Foundation Walls: R-0.0	Above Grade Walls: R-13	Vaulted Ceiling: NA	Ceiling Flat: R-50	
7	Rate:	Infiltration:	Window Type:	Exposed Floor:	
Method: Blower door test	Htg: 2170 Clg: 2170 CFM50		Window Type: NFRC .34 / .33	R-0	

Lights and Appliance Features

00	90.00 Range/Oven Fuel: Natu 0.00 Clothes Dryer Fuel: Natu 691.00 Clothes Dryer EF: 2.67 0.46 Ceiling Fan (cfm/Watt): 0.00	Dishwasher Energy Factor:	Refrigerator (kWh/yr):	Percent Garage Lighting:	Percent Interior Lighting:
	Range/Oven Fuel: Clothes Dryer Fuel: Clothes Dryer EF: elling Fan (cfm/Watt):	0.46 Cı	691.00	0.00	90.00

The Home Energy Rating Standard Disclosure for this home is available from the rating provider.

REM/Rate - Residential Energy Analysis and Rating Software v12.99

This information does not constitute any warranty of energy cost or savings © 1985-2012 Architectural Energy Corporation, Boulder, Colorado

Registry ID:

Certified Energy Rater: Michael Childs Rating Number: 526-1276

Rating Date: 5/18/2012

Rating Ordered For: City of Saint Paul

Estimated Annual Energy Cost

	Projected Rating	U	
Use	MMBtu	Cost	Percent
Heating	126.6	\$1154	56%
Cooling	1.0	\$29	1%
Hot Water	18.8	\$169	8%
Lights/Appliances	24.3	\$529	26%
Photovoltaics	-0.0	\$ -0	-0%
Service Charges		\$180	9%
Total		\$2061	100%

This home meets or exceeds the minimum criteria for all of the following:

TITLE

Company

City, State, Zip Address

Phone #

Fax #

Neighborhood Energy Connection

Residential Energy Specification

Customer: City of Saint Paul

Address: 831 Carroll Avenue

Auditor: Michael Childs

Phone: 651-221-4462 x145

Spec ID	Spec ID#Spec Title	Specification	Location / Notes
106	Replace Furnace and Water Heater with a combined space and water heating system for forced air	Install a 95%+ condensing water heater with a hydronic air handler sized to meet load of the house for space and water heating. Consult NEC for more details if needed	Option 1.
104	Replace Furnace with 95% AFUE, Multi-stage, Forced Air Furnace	Remove existing furnace, recycle all metal components and dispose of all other materials in a code legal dump. Install a new ENERGY STAR rated, gas-fired, multi-stage burner, forced air furnace with a minimum AFUE rating of 95%+ and ECM Motor with 2" rise above floor. Connect to existing duct work and gas line. New furnace to be vented with PVC piping per manufacturer's specifications. New furnace will have minimum limited warranties of 20 years on heat exchangers; 5 years on parts. Include auto setback thermostat controls, vent pipe & new shut-off valve. Rework cold air return if necessary to ensure easy access, good fit & easy replacement of air filter. An exterior return air filter box shall be installed on one side,	Option 2.

	any break in the envelope of a house between a heated living space and an unheated area or exterior. Bypass locations include, but are not limited to, the following areas: chimneys, soil stacks, end walls, dropped ceilings, open plumbing walls and around duct work, electrical work and attic access points. Bypasses shall be sealed in such a manner that the movement of air through the bypass is essentially stopped. "Essentially stopped" means that air leakage will not be detected by an infrared scan when the house is pressurized to 30 Pascals. Materials to be used for sealing bypasses depend on the size and location of the bypass and meet code requirements. These materials include high quality caulks (20-year life span), polyethylene rod stock, foam, sheet rock, sheet metal, extruded polystyrene and densely packed insulation.	Seal Attic Bypasses	500
	Install 16 SEER split system central air conditioning unit, following local building code. Using OEM performance information and industry-approved procedures, confirm that the selected equipment satisfies/meets the load requirements at the system design conditions.	Install Central Air Conditioning Unit	310
Option 2.	Replace water heater with a power-vented water heater with an EF of .67. Include pressure & temperature release valve, discharge tube to within 6" of floor and PVC flue to power vent to exterior.	Replace Water Heater with Power Vented .67 EF	304
	both sides or bottom of new furnace. Seal all exposed duct joints with duct mastic. Remove all existing cloth duct tape prior to installing mastic.		

Option 2 —wall between upper front bedroom and unfinished attic above kitchen	Install closed cell spray foam to kneewall at approximately 3" to achieve R21. Follow manufacturer's instructions to completely and evenly fill the cavity. Follow all code requirements.	Spray Foam Open Kneewalls	522
Option 1 —wall between upper front bedroom and unfinished attic above kitchen	All kneewalls shall have a top and bottom plate or blockers installed using a rigid material. Air-seal all joints, cracks and penetrations in finished material including interior surface to framing connections. Insulate all kneewalls to R-22 filling stud cavity vertically with R11 batts for a total of R22. Secure kneewall insulation with house wrap such as Tyvek. Insulate and weatherstrip kneewall doors.	Insulate Open Kneewalls with Fiberglass Batts	520
	Access hatch door to attic shall be insulated to R-44 and insulation dam constructed around opening. Opening shall be weather stripped to provide a tight seal.	Build Dam, insulate and weather strip attic hatch	532
1 st floor front and back attics.	All bypasses shall be sealed before insulating in such a manner that the movement of air through the bypass is essentially stopped. Blow insulation to depth indicated on manufacturer's coverage chart, consistently and evenly to R-50. Insulation in the peak attic must be marked with a ruler to measure depth and a sign with the number of bags used and the date of the installation.	Blow Open Attic to R-50	510
6" floored peak attic partially insulated _ dense pack.	All bypasses shall be sealed before insulating in such a manner that the movement of air through the bypass is essentially stopped. "Essentially stopped" means that air leakage will not be detected by an infrared scan when the house is pressurized to 30 Pascals. Floored attics shall be blown below floor boards using the Dense Pack Method to a minimum density 3.5 lbs./ft³. Blow above floorboards to bring below and above total to R-50 or more.	Dense Pack Below Floor and blow above floor to R-50	502

	Install an ENERGY STAR rated exhaust fan connected with insulated	Install ENERGY STAR Rated	1000
	Seal cracks and holes in rim joist using caulk, foam or other air tight materials.	Air Seal Rim Joist	800
Blown mineral wool existing. Method depends on extent of rehab work.	Wall insulation - Interior Application: Spray foam open Follow manufacturer's instructions to completely and evenly fill the cavities cavities	Wall insulation - Interior Application: Spray foam open cavities	620
Blown mineral wool existing. Method depends on extent of rehab work.	Fit batt insulation between studs so that it fills the wall cavity without any gaps, voids, or compression. Call the NEC before sheet rocking.	Wall insulation - Interior Application: Fiberglass batt open cavities	618
Blown mineral wool existing. Method depends on extent of rehab work.	Exterior walls insulated from inside the house shall be drilled through to provide access. Determine cavities are free of hazards and can support dense packing pressures, locate drilling hazards, control dust when drilling from interior. Dense pack cellulose to a minimum density of 3.5 lbs./ft³ or dense pack spider fiberglass per manufacturer's instructions. Follow all applicable Lead Safe Work Practices as per the EPA's RRP Rules.	Wall insulation - Interior Application: Dense Pack Cellulose	616
Blown mineral wool existing. Method depends on extent of rehab work.	Siding shall be removed before drilling access holes. Determine cavities are free of hazards and can support dense packing pressures, locate drilling hazards, control dust when drilling from interior. Completely fill each cavity to a consistent density. Dense pack cellulose to a minimum density of 3.5 lbs./ft³ or dense pack spider fiberglass per manufacturer's instructions. Siding must be replaced without damage and nailed back with appropriate galvanized nails. Follow all applicable Lead Safe Work Practices as per the EPA's RRP Rules.	Wall insulation - Exterior Application: Remove Wood Lap Siding, Drill, Dense Pack, Plug and Replace Siding	602

Install ENERGY STAR rated refrigerator sized appropriately for the household. Remove existing refrigerator, recycle all metal components and dispose of all other materials in a code legal dump.	Install ENERGY STAR Rated Refrigerator	1214
Install ENERGY STAR rated dishwasher including all alterations and connections to plumbing and electric system. Remove existing dishwasher, recycle all metal components and dispose of all other materials in a code legal dump.	Install ENERGY STAR Rated Dishwasher	1212
Connect new ENERGY STAR rated clothes washer sized appropriately for the household. Use braided steel water supply lines and a smooth rubber drain line connected to a 2 inch drain with trap. Remove existing washer, recycle all metal components and dispose of all other materials in a code legal dump.	Install ENERGY STAR Rated Washing Machine	1210
Replace incandescent bulbs with ENERGY STAR rated compact fluorescent lights. Install fixtures that meet the lighting needs of the particular area.	Replace incandescents with CFLs	1200
Install an ENERGY STAR rated two-speed bathroom fan .8 sones or less, with a pre-set low-speed of 10-30 CFM and a high-speed boost capability of 70-110 CFM initiated by a wall switch or motion detector. Vent bathroom fan using rigid duct and insulated with fiberglass and vented out with dampered roof vent.	Install ENERGY STAR Rated 2- stage Bathroom Fan	1010
rigid ductwork into a dampered vent.	Kitchen Fan	

ASBESTOS AND LEAD-BASED PAINT SURVEY

831 Carroll Avenue St. Paul, Minnesota

Prepared for:

City of St. Paul
Department of Planning and Economic Development
1100 City Hall Annex
25 West 4th Street
St. Paul, Minnesota 55102-1623

Submitted by:

Terese Wmiller

Terese W. Miller Principal Consultant, CEO



St. Croix Environmental, Inc. 1094 Golden Oaks Drive Hudson, Wisconsin 54016

January 26, 2012

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APPENDICES

Appendix I Appendix II Asbestos Survey Report Lead-Based Paint Testing Report

City of St. Paul - DPED 831 Carroll Avenue St. Paul. MN

1. Introduction

St. Croix Environmental, Inc. (SCE) was retained by the City of St. Paul (the City) to administer a Survey of the property located at 831 Carroll Avenue in St. Paul, Minnesota (the Site). The Site is occupied by a single-family dwelling which is scheduled for rehabilitation.

The purpose of the work was to evaluate building materials suspected to contain asbestos and lead-based paint as follows:

- Identify asbestos containing materials (ACM) at the Site as defined by the Environmental Protection Agency (EPA), Minnesota Pollution Control Agency (MPCA), and the Minnesota Department of Health (MDH).
- Identify surfaces that contain lead-based paint prior to rehabilitation in accordance with US Department of Housing and Urban Development (HUD) guidelines.

The work did not include a survey for hazardous materials other than asbestos or lead-based paint.

2. Asbestos Survey

On January 14, 2012, Tim Marxhausen, a Minnesota Department of Health (MDH) Certified Asbestos Inspector with Parks Environmental Consulting, Inc. completed the building survey and sampling activities.

2.1. ACM Sampling

A list of the suspect asbestos materials that were sampled can be found on Table 1 in **Appendix I**. Materials other than those listed, and not sampled, were either: 1) not considered suspect for asbestos content (e.g. fiberglass insulation, concrete, brick, plastic); or, 2) inaccessible, such as materials in wall cavities, confined spaces, or locked rooms/areas. If suspect asbestos containing materials other than those listed and sampled are discovered at the Site, they should be considered asbestos containing until testing proves otherwise.

The samples were analyzed for asbestos content by EPA Method 600/R-93/116, at Schneider Laboratories, Richmond, Virginia. Schneider's laboratory is accredited for asbestos bulk material analysis under the National Institute of Sciences' National Voluntary Laboratory Accreditation Program (NVLAP). The analytical method's lower detection limit is one-percent asbestos by volume. The method provides a visual estimation of asbestos in the material sample.



2.2. ACM Results

A copy of the analytical laboratory report is included in **Appendix I**. The sample location diagram is also included the appendix.

None of the materials sampled were found to contain asbestos.

3. Lead-Based Paint Survey

On January 22, 2011, Andrew Myers, a Minnesota-licensed lead risk assessor with Midwest Environmental Consulting, performed a HUD lead-based paint inspection and risk assessment of the property. At the request of the City of Saint Paul (City), this report provides information in accordance with HUD guidelines regarding the identification of lead-based paint.

3.1. Lead-Based Paint Sampling

Observations for lead-based paint, conducted in accordance with HUD guidelines, include a description of condition. Materials containing lead-based paint would require stabilization prior to any demolition. Lead that that is not attached to the substrate must be managed and disposed in accordance with applicable hazardous waste and/or solid waste rules and regulations and cannot be managed as normal demolition material. Based on current regulatory definitions, lead-based paint is defined as paint containing lead concentrations equal to or greater than 1.0 milligrams per square centimeter (mg/cm2) when using a Niton XL X-ray fluorescence (XRF) analyzer. The XRF provides the measured lead concentration in weight of lead per unit area.



3.2. Lead-Based Paint Results

Results of the XRF analyzer are presented in **Appendix II.** Specific building components determined to have a lead concentration above the action level of (1.0 mg/cm²) are listed below:

LOCATION	COMPONENT	
Porch	Painted wood window sill	
Porch	Painted wood door	
Dining Room	Painted plaster closet walls	
Dining Room	Painted wood window trough	
Den	Painted plaster closet walls	
Kitchen	Painted plaster wall over concrete chimney	
Kitchen	Painted wood door casing	
Kitchen	Painted wood baseboards	
Kitchen	Painted wood window trough	
Stairway to basement	Painted wood door casing	
Stairway to basement	Painted wood chair rail	
Stairway to basement	Painted plaster walls	
2nd Floor Hall	Painted wood window trough	
2nd Floor Bathroom	Painted wood window trough	
2nd Floor Bathroom	Painted drywall walls &ceiling	
Bedroom 2	Painted wood window trough	
Bedroom 3	Painted drywall walls & ceiling	
Exterior	Metal window components (depth index indicates lead beneath metal surfaces)	
Exterior	Metal fascia, soffits & trim (depth index indicates lead beneath metal surfaces)	
Exterior	Painted wood siding	
Garage	Metal fascia	
Garage	Painted wood window components	
Garage	Painted wood door components	
Garage	Painted wood siding	



City of St. Paul - DPED 831 Carroll Avenue St. Paul. MN

4. Definitions

The following definitions apply to this report:

- The EPA/MPCA/MDH defines ACM as any material that contains greater than one percent asbestos by volume. Materials found to contain one percent or less asbestos by volume are not regulated as ACM by EPA/MPCA/MDH.
- Friable ACM is defined as any material that contains greater than one percent asbestos, and which can be crumbled, pulverized, or reduced to powder by hand pressure.
- Category I non-friable ACM means asbestos-containing packings, gaskets, resilient floor covering, and asphalt roofing products containing more than one percent asbestos. Category I non-friable ACM is not allowed to remain in place during renovation/rehabilitation if it is in a condition where the renovation/rehabilitation activities might cause it to become friable.
- Category II non-friable ACM means any material, excluding Category I non-friable ACM, containing more than one percent asbestos that, when dry, cannot be crumbled, pulverized, or reduced to a powder by hand pressure. Category II nonfriable ACM is not allowed to remain in place during renovation or rehabilitation if it has a high probability of becoming crumbled, pulverized, or reduced to a powder during renovation, rehabilitation, transport, or disposal.

5. Inspection and Sampling Limitations

This survey report is intended to describe lead-based paint and ACM that may be present at the subject site, including those that may be impacted during renovation or rehabilitation activities. Services performed by the consultant were conducted in accordance with generally recognized industry standards and current MPCA and MDH guidelines, and in a manner consistent with the level of care and skill ordinarily exercised by other professional consultants under similar circumstances and under similar budget and time constraints. No other warranty is made or intended.

The survey is not intended to be technically exhaustive and no representation is made to the client, expressed or implied, and no warranty or guarantee is included or intended. It is possible that some materials were not identified during the course of the inspection at this site. Such unidentified materials would be those that are hidden from view, such as floor tile under floor tile or carpet, pipe insulation in wall cavities, materials out of reach in high ceiling areas, materials located under or behind finish materials, or materials inadvertently overlooked. Building materials known to possibly contain asbestos or lead-based paint which were not sampled as part of this survey should be assumed to be asbestos or lead containing until proven otherwise.

The consultant and/or inspector for this survey are not held responsible or liable for any repairs or replacements with regards to this property, systems, components, or the contents therein. Material samples were analyzed by an independent outside laboratory; the results of their analyses are presented herein. While we choose an established, reputable and certified lab to perform the sample analysis, SCE does not warrant the accuracy of the laboratory results.

The information contained in this report represents the consultant's best efforts to determine the presence of lead-based paint and ACM at the site given the site conditions. No inspection was carried out of flues, chutes, ducts, voids and any similar enclosed areas, the access to which would necessitate the use of specialist equipment or tools, or which would have caused damage to decoration, fixtures, fittings or the structure of the building. We are therefore unable to report on the presence of asbestos or lead in these areas, and accept no responsibility for the presence of such.





ASBESTOS MATERIALS SURVEY REPORT

HOUSE

831 CARROLL AVENUE ST. PAUL, MINNESOTA

Prepared for:

St. Croix Environmental 1094 Golden Oaks Drive Hudson, Wisconsin

Prepared by:

Parks Environmental Consulting, Inc. 4749 Chicago Avenue S. Minneapolis, Minnesota (612) 353-6528

Parks Project # 9360

January 24, 2012

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5.0	Inspection and	Sampling Limitations3
	Table 1	LIST OF TABLES Identified and Sampled Suspect ACM
		LIST OF APPENDICES
	Appendix A	Asbestos Laboratory Report
	Appendix B	Site Sketch with Sample Locations
	Appendix C	Inspector Certification

1.0 Executive Summary

St. Croix Environmental, Inc. (SCE) contracted with Parks Environmental Consulting, Inc. (Parks) to conduct an inspection and sampling for asbestos-containing materials (ACM) in the vacant house located at 831 Carroll Avenue, St. Paul, Minnesota.

Mr. Tim Marxhausen of Parks conducted the asbestos and hazardous/special waste materials inspection, audit and sampling at the site January 14, 2012. Accessible interior and exterior building materials were surveyed, suspect asbestos materials were sampled in general accordance with Environmental Protection Agency (EPA) Asbestos Hazard Emergency Response Act (AHERA) sampling rules, samples were analyzed for asbestos content, and this report was then prepared.

None of the materials sampled were found to contain asbestos.

Eleven types of suspect asbestos materials were sampled and tested. Of these materials, none were found to contain asbestos.

Details of the site inspection and sampling are provided in the following sections. A table listing each sampled suspect asbestos homogeneous material, its location and analytical result is located in Section 4.0 of this report, as is a table special waste materials. The laboratory report is included in Appendix A.

2.0 Background

SCE requested that Parks assist with the evaluation of building materials suspected to contain asbestos in the vacant house located at 831 Carroll Avenue, St. Paul, Minnesota. Parks inspected the building for suspect asbestos materials, sampled such materials, facilitated sample analysis by an outside laboratory, compiled the data, and prepared this report.

On January 14, 2012, Tim Marxhausen, Minnesota Department of Health (MDH) Certified Asbestos Inspector #AS-2271, inspected the building for suspect ACM. Parks collected 25 building material samples for asbestos analysis. The samples were analyzed at Schneider Laboratories in Richmond, Virginia.

Asbestos Material Sampling

The following types of building materials were considered, for the purposes of this survey, suspect ACM, and thus sampled:

- Linoleum
- Vinyl Floor Tile (three types)
- Acoustical Ceiling Texture (two types)
- Drywall and Joint Compound
- Attic Insulation

- Wall Insulation
- Wall Plaster
- Sink Undercoat
- Chimney Patch Mortar

A Site Sketch indicating sample locations is provided in Appendix B.

3.0 Methods

Material samples were analyzed for asbestos content by Polarized Light Microscopy, EPA Method 600/R-93/116, at Schneider Laboratories, Richmond, Virginia. Schneider's laboratory is accredited for asbestos bulk material analysis under the National Institute of Sciences' National Voluntary Laboratory Accreditation Program (NVLAP). The analytical method's lower detection limit is one-percent asbestos by volume. The method provides a visual estimation of asbestos in the material sample.

4.0 Data and Findings Summary

The following table summarizes sampled suspect asbestos materials with their locations, and analytical results. Materials other than those listed here, and not sampled, were either: 1) not considered suspect for asbestos content (e.g. fiberglass insulation, concrete, brick, plastic); or, 2) inaccessible, such as materials in wall cavities, confined spaces, or locked rooms/areas. In general, except where noted, exterior building materials were not sampled. If suspect asbestos containing materials other than those listed and sampled below are discovered at the site, they should be considered asbestos containing until testing proves otherwise.

TABLE 1 – Identified and Sampled Suspect ACM				
Sample Number	Material Description	Location	Results	
AINS-01A, B, C	Blown-in Insulation – beige/gray, fibrous	Attic	Non-Asbestos	
CTEX-01A, B, C	Spray-Applied Acoustical Ceiling Texture	Main Level – Kitchen (west side), Living Room, Dining Room, West Room	Non-Asbestos	
CTEX-02A, B, C	Spray-Applied Acoustical Ceiling Texture	Upstairs Level – All Ceilings, except bathroom	Non-Asbestos	
FT-01A, B	12" Square Vinyl Floor Tile (self-stick). Off-white with blue diamond pattern.	Main Level – Kitchen (top layer)	Non-Asbestos	
FT-02A, B	12" Square Vinyl Floor Tile. Gray/green mottle pattern.	Main Level – bottom of stairs	Non-Asbestos	

TABLE 1 – Identified and Sampled Suspect ACM				
Sample Number	Material Description	Location	Results	
FT-03A, B	12" Square Vinyl Floor Tile. Gray faux marble pattern.	Upstairs Level – Bathroom	Non-Asbestos	
LIN-01A, B	Linoleum – tan/cream pattern	Kitchen – bottom layer (under FT-01)	Non-Asbestos	
PL-01A, B	Wall Plaster	Main Level – West Wall	Non-Asbestos	
SRJC-01A, B, C, D, E	Sheetrock Drywall Wallboard with Joint Compound	Both Levels, Throughout	Non-Asbestos	
SU-01	Sink Undercoat, black	Main Level – kitchen sink	Non-Asbestos	
WINS-01	Wall Insulation – brown fibrous	Main Level – West Wall	Non-Asbestos	
CM-01	Chimney Patch Mortar – beige fibrous	Basement –where furnace flue enters chimney	Non-Asbestos	

5.0 Inspection and Sampling Limitations

It is possible that some suspect asbestos, or asbestos containing, materials and hazardous materials were not identified during the course of the inspection at this site. Such unidentified materials would be those that are hidden from view, such as floor tile under floor tile or carpet, pipe or duct insulation in wall cavities, materials out of reach in high ceiling areas, materials located under or behind finish materials. Building materials known to possibly contain asbestos which were not sampled as part of this survey should be assumed to be asbestos containing until proven otherwise.

This document is an initial pre-renovation asbestos survey based on one site visit that included sampling of select materials. It is not an asbestos or hazardous material abatement scope of work. This document, associated drawing, lab report and attachments are not intended to be environmental bid specifications for the referenced site. This inspection and sampling occurred in January; the house had no heat, electricity or water service.

Material samples were analyzed by an independent outside laboratory; the results of their analyses are presented herein. While we choose an established, reputable and certified lab to perform the sample analysis, Parks does not warrant the accuracy of the laboratory results.

Date

The information contained in this report represents Parks' best efforts to determine the presence of asbestos containing and other hazardous materials at the site given the site conditions. A copy of the MDH asbestos inspector's certification card is in Appendix C.

Parks Environmental Consulting, Inc.

January 24, 2012

Tim Marxhausen
Project Manager
MDH Certified Asbestos Inspector #AI2271

APPENDIX A

ASBESTOS LABORATORY REPORT

SCHNEIDER LABORATORIES GLOBAL

INCORPORATED

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LABORATORY ANALYSIS REPORT

Asbestos Identification by EPA Method¹ 600/R-93/116

Using SLI A6

ACCOUNT #:

3556-12-40

DATE COLLECTED:

1/14/2012

CLIENT:

St. Croix Environmental, Inc.

DATE RECEIVED:

1/17/2012

ADDRESS:

1094 Golden Oaks Drive

DATE ANALYZED:

1/17/2012

Hudson, WI 54016

DATE REPORTED:

1/18/2012

PROJECT NAME: House

SII

JOB LOCATION: 831 Carrol St. Paul

PROJECT NO .:

PO NO .:

Client

SampleType:

BULK

Sample	Sample/		PLM Analysis Results		
No.	Layer ID		Asbestos Fibers	The state of the s	her Materials
AINS-01A	31320941				
Layer 1:	Insulation		None Detected	65%	CELLULOSE FIBER
	Beige, Fibrous			15%	MINERAL/GLASS WOOL
	1000			20%	NON FIBROUS MATERIAL
AINS-01B	31320942				
Layer 1:	Insulation		None Detected	65%	CELLULOSE FIBER
	Beige, Fibrous			15%	MINERAL/GLASS WOOL
				20%	NON FIBROUS MATERIAL
AINS-01C	31320943				
Layer 1:	Insulation		None Detected	65%	CELLULOSE FIBER
	Beige, Fibrous			15%	MINERAL/GLASS WOOL
				20%	NON FIBROUS MATERIAL
CTEX-01A	31320944				
Layer 1:	Ceiling Texture		None Detected	100%	NON FIBROUS MATERIAL
	Beige, Granular				
Layer 2:	Drywall		None Detected	3%	CELLULOSE FIBER
	White, Powdery				NON FIBROUS MATERIAL

Total Number of Pages in Report: 5

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Client SLI Sample Sample Sample/ Identification/		PLM A	PLM Analysis Results	
Layer ID	Layer Name	Asbestos Fibers		her Materials
31320945				
Ceiling Texture Beige, Granular		None Detected	100%	NON FIBROUS MATERIAL
31320946				
Ceiling Texture Beige, Granular		None Detected	100%	NON FIBROUS MATERIAL
31320947				
Ceiling Texture Beige, Granular		None Detected	100%	NON FIBROUS MATERIAL
Drywall White, Powdery		None Detected		CELLULOSE FIBER NON FIBROUS MATERIAL
31320948		1.		
Ceiling Texture Beige, Granular		None Detected	100%	NON FIBROUS MATERIAL
Drywall White, Powdery		None Detected		CELLULOSE FIBER NON FIBROUS MATERIAL
31320949				
Ceiling Texture Beige, Granular		None Detected	100%	NON FIBROUS MATERIAL
Drywall White, Powdery		None Detected		CELLULOSE FIBER NON FIBROUS MATERIAL
31320950				
Floor Tile Gray, Organicall	y Bound	None Detected	100%	NON FIBROUS MATERIAL
Mastic Clear, Soft		None Detected	100%	NON FIBROUS MATERIAL
	Sample/ Layer ID 31320945 Ceiling Texture Beige, Granular 31320946 Ceiling Texture Beige, Granular 31320947 Ceiling Texture Beige, Granular Drywall White, Powdery 31320948 Ceiling Texture Beige, Granular Drywall White, Powdery 31320949 Ceiling Texture Beige, Granular Drywall White, Powdery 31320949 Ceiling Texture Beige, Granular Drywall White, Powdery 31320950 Floor Tile Gray, Organicall Mastic	Sample/ Layer ID Layer Name 31320945 Ceiling Texture Beige, Granular 31320946 Ceiling Texture Beige, Granular 31320947 Ceiling Texture Beige, Granular Drywall White, Powdery 31320948 Ceiling Texture Beige, Granular Drywall White, Powdery 31320949 Ceiling Texture Beige, Granular Drywall White, Powdery 31320949 Ceiling Texture Beige, Granular Drywall White, Powdery 31320950 Floor Tile Gray, Organically Bound Mastic	Sample/ Identification/ Layer ID Layer Name Asbestos Fibers 31320945 Ceiling Texture Beige, Granular 31320946 Ceiling Texture Beige, Granular 31320947 Ceiling Texture Beige, Granular 31320947 Ceiling Texture Beige, Granular Drywall White, Powdery 31320948 Ceiling Texture Beige, Granular Drywall White, Powdery 31320949 Ceiling Texture Beige, Granular Drywall Whore Detected None Detected None Detected None Detected	Sample/ Layer ID Identification/ Layer Name PLM Analysis F Asbestos Fibers Other 31320945 Other 31320945 None Detected 100% Ceiling Texture Beige, Granular None Detected 100% 100% 31320946 None Detected 100% 100% Ceiling Texture Beige, Granular None Detected 100% Drywall White, Powdery None Detected 3% 31320948 None Detected 100% Ceiling Texture Beige, Granular None Detected 3% Drywall White, Powdery None Detected 100% 31320949 Ceiling Texture Beige, Granular None Detected 100% Drywall White, Powdery None Detected 3% 31320950 None Detected 100% Floor Tile Gray, Organically Bound None Detected 100% Mastic None Detected 100%

Total Number of Pages in Report: 5

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Client			r age 5 (Continued)
Sample No.	Sample/ Identification/ Layer ID Layer Name	PLM Analys	
5102		Asbestos Fibers	Other Materials
FT-01B Layer 1:	31320951 Floor Tile	None Detected	100% NON FIBROUS MATERIAL
	Gray, Organically Bound		
Layer 2:	Mastic Clear, Soft	None Detected	100% NON FIBROUS MATERIAL
FT-02	31320952		
Layer 1:	Floor Tile Gray/Black, Organically Bound	None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Mastic Soft	None Detected	100% NON FIBROUS MATERIAL
FT-03A	31320953		
Layer 1:	Floor Tile Gray/Black, Organically Bound	None Detected 1	00% NON FIBROUS MATERIAL
Layer 2:	Mastic Clear, Soft	None Detected 1	00% NON FIBROUS MATERIAL
FT-03B	31320954		
Layer 1:	Floor Tile Gray/Black, Organically Bound	None Detected 1	00% NON FIBROUS MATERIAL
Layer 2:	Mastic Clear, Soft	None Detected 1	00% NON FIBROUS MATERIAL
LIN-01A	31320955		
Layer 1:	Linoleum Beige, Org.Bound/Fibrous No Mastic Found.		35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
LIN-01B	31320956		
Layer 1:	Linoleum Beige, Org.Bound/Fibrous		35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
Layer 2:	Mastic Tan, Soft	Value 2 conservation of	00% NON FIBROUS MATERIAL

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Client Sample	SLI Sample/	Sample Identification/			rage + (Continued)
No.	Sample/ Layer ID	Layer Name		nalysis F	
PL-01A	31320957		Asbestos Fibers	Ot	her Materials
Layer 1:	Plaster Beige, Granular		None Detected	100%	NON FIBROUS MATERIAL
Layer 2:	Drywall White, Powdery		None Detected		CELLULOSE FIBER NON FIBROUS MATERIAL
PL-01B	31320958				
Layer 1:	Plaster Beige, Granular		None Detected	100%	NON FIBROUS MATERIAL
Layer 2:	Skim Coat White, Granular		None Detected	100%	NON FIBROUS MATERIAL
SRJC-01A	31320959				
Layer 1:	Sheetrock White, Powdery		None Detected		CELLULOSE FIBER NON FIBROUS MATERIAL
Layer 2:	Joint Compound Beige, Granular		None Detected	100%	NON FIBROUS MATERIAL
SRJC-01B	31320960				
Layer 1:	Sheetrock White, Powdery		None Detected		CELLULOSE FIBER NON FIBROUS MATERIAL
Layer 2:	Joint Compound Beige, Granular		None Detected	100%	NON FIBROUS MATERIAL
SRJC-01C	31320961			-	
Layer 1:	Joint Compound White, Granular No Sheet Rock I		None Detected	100%	NON FIBROUS MATERIAL
SRJC-01D	31320962				
Layer 1:	Sheetrock White, Powdery		None Detected		CELLULOSE FIBER NON FIBROUS MATERIAL
Layer 2:	Joint Compound White, Granular		None Detected	100%	NON FIBROUS MATERIAL

Total Number of Pages in Report: 5

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Client	SLI	Sample			
Sample	Sample/	Identification/	PLM A	nalysis R	esults
No.	Layer ID	Layer Name	Asbestos Fibers	Otl	ner Materials
SRJC-01E	31320963				
Layer 1:	Sheetrock White, Powde	ery	None Detected		CELLULOSE FIBER NON FIBROUS MATERIAL
Layer 2:	Joint Compou White, Granul		None Detected	100%	NON FIBROUS MATERIAL
SU-01	31320964				
Layer 1:	Bituminous M Black, Bitumin		None Detected		CELLULOSE FIBER NON FIBROUS MATERIAL
WINS-01	31320965				
Layer 1:	Insulation Brown, Fibrou	us	None Detected		CELLULOSE FIBER NON FIBROUS MATERIAL
CM-01	31321542				
Layer 1:	Fibrous Mater Beige, Fibrou		None Detected		CELLULOSE FIBER NON FIBROUS MATERIAL

Mahmul Hathim

Analyst:

MOHAMMED B. HASHIM

Reviewed By:

Hind Eldanaf, Microscopy Supervisor

Him

Total Number of Pages in Report: 5

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Golden Oaks Drive, Hudson, WI 55

Telephone: (715) 381-5701

ASBESTOS BULK SAMPLE REQUEST FORM

Page 1 of 1 Sample Number Sealed Condition Yes / No 2 Sample Date: 01-14-12 Special Instructions: Fax results to St. Croix and Parks Environmental ST. CROIX ACCT #: JAN 1 7 2012 D BY: FADI GHRAIZI, Sample Number 凹 X 800-785-5227 Sample Number **Furnaround Time: 48 Hour** Date & Time Received by: Analysis: PLM Standard Sample Number 2512 West Cary Street, Richmond, VA 23220 SRJC-01C SRJC-01D SRJC-01E WINS-01 SU-01 Project No. LABORATORY: SCHNEIDER LABORATORIES, INC. Sample Number Sampled & Relinquished by: Thy Mang SRJC-01B SRJC-01A FT-01B FT-03B LIN-01A LIN-01B PL-01A PL-01B FT-03A Sampled by: Tim Marxhausen (MDH AI-2271) FT-02 Site: House at 831 Carroll, St. Paul, MN CLIENT NAME & ADDRESS Date & Time 1-16-72 Sample Number AINS-01C CTEX-02A CTEX-01B CTEX-02B AINS-01A CTEX-01A CTEX-01C CTEX-02C AINS-01B FT-01A City of St. Paul

APPENDIX B

SITE SKETCH WITH SAMPLE LOCATIONS



Environmental Consulting, Inc. 4749 Chicago Avenue S.

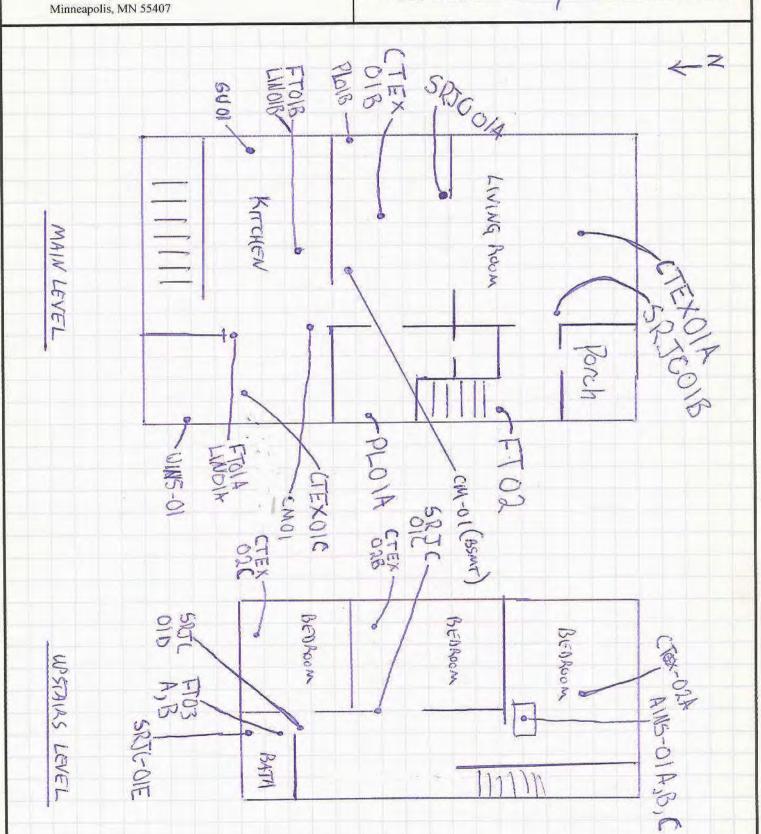
Project No. 9360

Project Name SCE / DPEN HOUSE SURVEYS

By TIMM.

Date 1-14-12

Subject ASACSTOS SURVEY - 831 CARAOLL AVE



APPENDIX C

INSPECTOR CERTIFICATION CARD



Director, Env. Health Div.

MDH ASBESTOS

Certified by: State of Minnesota Department of Health Expires: 04/21/2012

Timothy J Marxhausen 4805 Elliot Ave Minneapolis, MN 55417

No. Al2271 Issued: 05/04/2011

Midwest Environmental Consulting, L.L.C.



January 25, 2012

Kevin Miller St. Croix Environmental, Inc. 1094 Golden Oaks Drive Hudson WI 54016

RE: HUD Lead-Based Paint Inspection and Risk Assessment at the Single Family

Residential Property, 831 Carroll Avenue, St. Paul, Minnesota (St. Croix

Environmental Phone: 715-381-5701)

Dear Kevin Miller:

At the request of St. Croix Environmental, Midwest Environmental Consulting, L.L.C. (MEC) performed a HUD lead-based paint inspection and risk assessment of the single family residential property located at 831 Carroll Avenue, St. Paul, Minnesota on January 22, 2012.

Andrew Myers, MEC, Minnesota-licensed lead risk assessor (MN LR #578) performed all field work associated with this project. MEC credentials can be found in Appendix A.

The purpose of this project was to determine whether lead-based paint or other lead hazards are present on the interior or exterior surfaces of the residential property. This report contains the results of the HUD lead-based paint inspection and risk assessment. No dust wipe samples or bare soil samples were collected as a part of this evaluation at the request of St. Croix Environmental.

The inspection was conducted following the Housing and Urban Development (HUD) "Guidelines for the Evaluation and Control of Lead-Based Paint in Housing," using Chapter 5 and the October 1997 revised Chapter 7 protocols. The sampling criteria used are those outlined in the HUD Standards 24 CFR Part 35 et al, "Requirements for Notification Evaluation and Education of Lead-Based Paint Hazards in Federally Owned Residential Property and Housing Receiving Federal Assistance." No lead dust wipes or soil samples were collected as a part of this evaluation at the request of St. Croix Environmental, Inc. and Parks Environmental Consulting, Inc.

According to HUD protocol, if the first 5 of a building component are identified as positive for lead-based paint, the remaining like components are assumed to be lead-based paint containing.

SITE DESCRIPTION

The single family residential property located at 831 Carroll Avenue, St. Paul, Minnesota is a two story wood framed structure built on a concrete basement and foundation constructed in approximately the early 1900's. The interior walls and ceilings are a combination of plaster and drywall. Window systems are a combination of double hung wood and vinyl windows. The exterior siding is wood. There is metal cladding on exterior windows, soffits, fascia & trim. There is a detached wood framed garage with wood siding and metal trim.

Bare soil was not observed on the day of the site evaluation due to snow cover. The house is currently vacant.

RESULTS OF PAINT INSPECTION

MEC used a paint inspection sampling strategy as described in the HUD *Guidelines* (1995 and revised Chapter 7 in October 1997). The results of portable X-Ray Fluorescence (XRF) spectrum analysis of representative building components in each functional area or room are shown in Appendix B. Results are organized and shown in actual sequence of analysis. All tests were made using a Niton® XLp 306 X-Ray Fluorescence Spectrum Analyzer (Serial # 22554).

XRF analytical results in Appendix B, in the column labeled "Results" represent lead concentrations per square centimeter of painted surface (mg/cm²).

HUD regulations 24 CFR Part 35 et al, the HUD *Guidelines* and the Minnesota Department of Health (MDH) define the paint action level as lead concentrations at or above the level of 1.0 mg/cm² when measured with a portable XRF instrument (0.5% by weight when measured by laboratory methods).

The lead-based paint risk assessment protocol described in the HUD *Guidelines* and the EPA regulations rely on evaluation of surface coatings meeting the definition of poor, planned renovations, presence of dust and soil above current EPA and Minnesota Department of Health (MDH) Standards.

Tests are performed on each test combination. A test combination consists of unique combinations of substrate, color, building component, and location.

XRF results are classified as positive or negative. A positive classification indicates that lead is present on the testing combination at or above the HUD standards. It's important to note that the limited inspection of surfaces tested only applies to those surfaces areas tested and does not meet the requirements of a full HUD lead-based paint inspection and those surface areas not tested would be assumed to contain lead-based

paint.

Appendix B includes a record of XRF calibration checks. Those checks were performed on thin films supplied by the XRF manufacturer; they contain known concentrations of lead. The graphs in that appendix show the variation of quality control with time. The assays in the table of raw data (Appendix B) that are labeled "Calibrate" indicate that they are for quality control. Additional quality control data and information are available to you upon request.

Side A: S

South, faces Carroll Avenue

Side B:

West, faces residential properties

Side C:

North, faces alley

Side D:

East, faces residential properties

Specific building components determined to have a lead concentration above the action level of (1.0 mg/cm²) are listed below:

LOCATION	COMPONENT
Porch	Painted wood window sill
Porch	Painted wood door
Dining Room	Painted plaster closet walls
Dining Room	Painted wood window trough
Den	Painted plaster closet walls
Kitchen	Painted plaster wall over concrete chimney
Kitchen	Painted wood door casing
Kitchen	Painted wood baseboards
Kitchen	Painted wood window trough
Stairway to basement	Painted wood door casing
Stairway to basement	Painted wood chair rail
Stairway to basement	Painted plaster walls
2 nd Floor Hall	Painted wood window trough
2 nd Floor Bathroom	Painted wood window trough
2 nd Floor Bathroom	Painted drywall walls & ceiling

Bedroom 2	Painted wood window trough
Bedroom 3	Painted drywall walls & ceiling
Exterior	Metal window components (depth index indicates lead beneath metal surfaces)
Exterior	Metal fascia, soffits & trim (depth index indicates lead beneath metal surfaces)
Exterior	Painted wood siding
Garage	Metal fascia
Garage	Painted wood window components
Garage	Painted wood door components
Garage	Painted wood siding

Also included in Appendix B of this report is a rating of the condition of paint on components (column titled "Condition"). Comments on the condition include:

Intact: good condition; Fair: less than 2 square feet of damage to large interior surface, i.e., wall, less than 10 square feet of damage to large exterior surface, i.e., outside walls, or less than 10% damage to small surface areas, i.e., baseboards, trim, etc.; Poor: more than 2 square feet of damage on large interior surfaces, more than 10 square feet of damage to large exterior surface areas, or more than 10% damage to small surface areas.

RESULTS OF LEAD RISK ASSESSMENT

The risk assessment portion of this investigation involved collecting information about the property through a visual inspection of the dwelling and reviewing paint test data. No lead dust wipe samples or bare soil samples were collected during this risk assessment. It will be assumed that lead dust hazards are above the defined action levels. It is also assumed that if bare soil is present that the bare soil levels are above the defined action levels.

- The date of construction of the residence is approximately the early1900's.
- The property is a single family residential structure.
- Windows are a combination of wood windows and vinyl windows. Exterior metal cladding on windows.
- The exterior siding is wood on the house and garage.
- There is metal cladding on soffits, fascia & trim.

- Interior walls & ceilings are a combination of drywall & plaster.
- There is a detached wood framed garage with alley access.
- Bare soil was not observed due to snow cover.
- The property is currently vacant.

Visual Inspection

MEC conducted an inspection of painted and varnished surfaces on the interior and exterior of the residence. Emphasis was placed on chewable surfaces within 5 feet of the ground or floor.

The results of the visual inspection indicate that the interior of the structure is mainly in poor condition with some components in fair or intact condition.

Please note, however, the condition report within the XRF table for painted or varnished surfaces found to be fair or poor, that were below the 1.0 mg/cm² action level.

Dust wipe and bare soil samples were not collected from the residence as a part of this evaluation at the request of St. Croix Environmental and will be assumed to be above defined MDH/HUD lead hazard levels. Water and sodium rhodizonate swabs were also not collected as part of this project.

RECOMMENDATIONS

Lead-based paint or lead hazards were found during the inspection and risk assessment of the property including original vintage painted wood windows, painted wood baseboards, painted wood interior doors & door components, drywall walls & plaster walls & ceiling, under exterior metal cladding on the house and garage, and wood siding on the house and garage.

At the request of the City of St. Paul, only abatement options are provided for lead hazards identified during this evaluation. Abatement options can include removal of building components to the substrate and replacement with new lead free products; enclosure of building components under dust tight barriers, encapsulation or removal of coatings to the substrate and re-coating with lead free coatings.

Porch:

Painted wood window components: In poor condition.

 Option 1: Remove window components to raw opening using Lead Safe Work Practices and replace with new lead free products

Option 2: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood walls & trim: In poor condition.

 Option 1: Remove wall system using Lead Safe Work Practices and replace with new lead free products.

Option 2: Enclose under a dust tight barrier using Lead Safe Work Practices and include into an Operation & Maintenance Plan with ongoing monitoring.

• Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.

Option 4: Remove coatings to bare substrate using Lead Safe Work Practices

and re-coat with lead free coatings.

Dining Room:

Painted wood door: In poor condition.

Option 1: Remove door components to raw opening using Lead Safe Work

Practices and replace with new lead free components.

 Option 2: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood window components: In poor condition.

 Option 1: Remove window components to raw opening using Lead Safe Work Practices and replace with new lead free products

Option 2: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Den:

Painted plaster closet walls: In poor condition.

 Option 1: Remove wall systems using Lead Safe Work Practices and replace with new lead free products.

Option 2: Enclose under a dust tight barrier using Lead Safe Work Practices and

include into an Operation & Maintenance Plan with ongoing monitoring.

 Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.

Option 4: Remove coatings to bare substrate using Lead Safe Work Practices

and re-coat with lead free coatings.

Kitchen:

Painted plaster wall (over concrete chimney): In intact condition.

- Option 1: Include into an Operation & Maintenance Plan with ongoing monitoring.
 NOTE: The lead-based paint is likely under the plaster wall and on the chimney underneath.
- Option 4: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood door casing: In poor condition.

 Option 1: Remove door components to raw opening using Lead Safe Work Practices and replace with new lead free components.

 Option 2: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood baseboards: In poor condition.

 Option 1: Remove baseboards using Lead Safe Work Practices and replace with new lead free components.

Option 2: Enclose baseboards under a dust tight barrier and include into an

Operation & Maintenance Plan with ongoing monitoring...

 Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.

Option 4: Remove coatings to bare substrate using Lead Safe Work Practices

and re-coat with lead free coatings.

Painted wood window components: In poor condition.

 Option 1: Remove window components to raw opening using Lead Safe Work Practices and replace with new lead free products

Option 2: Remove coatings to bare substrates using Lead Safe Work Practices

and re-coat with lead free coatings.

Stairway to Basement:

Painted wood door casing: In poor condition.

 Option 1: Remove door components to raw opening using Lead Safe Work Practices and replace with new lead free components.

 Option 2: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood chair rails: In poor condition

 Option 1: Remove chair rail using Lead Safe Work Practices and replace with new lead free products.

Option 2: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted plaster walls: In intact condition.

Option 1: Remove wall systems using Lead Safe Work Practices and replace with new lead free products.

 Option 2: Enclose under a dust tight barrier using Lead Safe Work Practices and include into an Operation & Maintenance Plan with ongoing monitoring.

Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance

Plan with ongoing monitoring.

• Option 4: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

2nd Floor Hall:

Painted wood window components: In poor condition.

 Option 1: Remove window components to raw opening using Lead Safe Work Practices and replace with new lead free products

 Option 2: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Bathroom:

Painted wood window components: In poor condition.

 Option 1: Remove window components to raw opening using Lead Safe Work Practices and replace with new lead free products

 Option 2: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Painted drywall walls and ceiling: In intact condition.

 Option 1: Remove wall systems using Lead Safe Work Practices and replace with new lead free products.

 Option 2: Enclose under a dust tight barrier using Lead Safe Work Practices and include into an Operation & Maintenance Plan with ongoing monitoring.

Bedroom 2:

Painted wood window components: In poor condition.

Option 1: Remove window components to raw opening using Lead Safe Work Practices and replace with new lead free products

 Option 2: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Bedroom 3:

Painted drywall walls and ceiling: In intact condition.

 Option 1: Remove wall systems using Lead Safe Work Practices and replace with new lead free products.

 Option 2: Enclose under a dust tight barrier using Lead Safe Work Practices and include into an Operation & Maintenance Plan with ongoing monitoring.

Exterior:

Metal window cladding (depth index indicates lead beneath the metal surfaces):In intact condition.

 Option 1: Remove and replace damaged metal cladding using Lead Safe Work Practices making sure that seams and seals are maintained in a sealed condition using elastomeric caulking and include into an Operation & Maintenance Plan with ongoing monitoring.

Option 2: Remove metal cladding using Lead Safe Work Practices and replace

with new lead free products.

Option 3: Remove cladding & coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Metal soffits, & fascia (depth index indicates lead beneath the metal surfaces: In intact condition.

Option 1: Include into an Operation & Maintenance Plan with ongoing monitoring. (The metal cladding is already an enclosure). Ensure that seams are maintained in a sealed condition with elastomeric caulk.

Option 2: Remove components to substrate using Lead Safe Work Practices and

replace with new lead free products.

Option 3: Remove coatings under cladding to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood siding & some exposed wood fascia: In poor condition.

Option 1: Remove siding using Lead Safe Work Practices and replace with new

lead free products.

Option 2: Enclose under a dust tight barrier such as low maintenance siding using Lead Safe Work Practices. Ensure that all seams and seals remain in a sealed condition with elastomeric caulk.

Option 3: Remove coatings to bare substrate using Lead Safe Work Practices

and re-coat with lead free coatings.

Garage:

Metal soffits & fascia (depth index indicates lead beneath the metal surfaces: In poor condition.

Option 1: Repair any damaged metal cladding. Ensure that seams are maintained in a sealed condition with elastomeric caulk and include into an Operation & Maintenance Plan with ongoing monitoring.

Option 2: Remove components to substrate using Lead Safe Work Practices and

replace with new lead free products.

Option 3: Remove coatings under cladding to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood window components: In poor condition.

Option 1: Remove window components to raw opening using Lead Safe Work Practices and replace with new lead free products

Option 2: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood door casing: In poor condition.

 Option 1: Remove door components to raw opening using Lead Safe Work Practices and replace with new lead free components.

 Option 2: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood siding & some exposed wood fascia: In poor condition.

 Option 1: Remove siding using Lead Safe Work Practices and replace with new lead free products.

Option 2: Enclose under a dust tight barrier such as low maintenance siding using Lead Safe Work Practices. Ensure that all seams and seals remain in a sealed condition with elastomeric caulk.

Option 3: Remove coatings to bare substrate using Lead Safe Work Practices

and re-coat with lead free coatings.

Lead Dust Hazards

No lead dust wipes were collected as a part of this evaluation. It is assumed that lead dust is a hazard throughout the property and that dust levels within the complex above the Minnesota Department of Health, the Housing and Urban Development (HUD) and the Environmental Protection Agency (EPA) lead dust levels of 40 micrograms per square foot ($\mu g/ft^2$) for a floor surface, 250 $\,\mu g/ft^2$ for a window sill (stool) surface, and 400 $\,\mu g/ft^2$ for a window well (trough) surface. All window systems and floors will be required to be cleaned with a good household cleaner and wet methods.

Lead in Bare Soil

Bare soil was not observed on the date of the site evaluation due to snow cover. No bare soil samples were collected as a part of this evaluation. If bare soil is present, it is assumed to be above the Minnesota Department of Health defined action level of 100 parts per million.

Abatement Option 1. Removal of bare soil and replacement with new soil of 25

parts per million or less of lead.

Abatement Option 2: Covering bare soil with asphalt, concrete or other impervious material.

When qualified contractors are performing the planned renovation/remodeling activities, precautions should be properly done to minimize the potential for lead-based paint contamination to the workers, occupants and the environment.

DISCUSSION

The mere presence of lead-coated surfaces does not create a lead hazard. Maintenance of lead containing coatings will prevent lead from becoming a hazard. Lead-based paint above the action level of 1.0 mg/cm² was found on surfaces tested.

If exterior surfaces are to be remediated and because lead-coatings are present, covering the ground and providing adequate protection to soil is very important if bare soil is present.

Dust wipe samples were not collected lead dust levels are assumed to be above the action levels on floor and window surfaces as defined by MDH, HUD and EPA. Contractors will be required to clean all floor systems and window surfaces throughout the complex for lead hazards in dust following and as a part of the planned restoration.

The preceding lead reduction recommendations include different ways to treat each lead hazard that was identified by the risk assessment/inspection. The most effective treatments are considered abatement and require little or no ongoing maintenance to preserve a lead safe environment. The less effective treatments are called interim controls and these treatments require an increased amount of ongoing maintenance to preserve a lead safe environment.

If no lead dust, soil, or lead-based paint is found, then no monitoring is required.

If no hazards are found, but lead-based paint is found, then reevaluation should occur every three years, and an owner's visual survey should occur annually.

If lead dust, soil, or lead-based paint hazards are found to be present, choosing the option with removal of all lead-based paint will result in no monitoring requirements. If abatement options are chosen that include enclosure, then no re-evaluation is required, but the owner should conduct visual surveys every year to ensure the enclosure has not failed. If the interim control options (stabilize and paint) are chosen, then re-evaluation should occur after the first year and then every two years after that. Visual surveys by the owner should occur annually. If the enclosure option is chosen, the owner must conduct a visual evaluation at (6) months and annually thereafter. If the encapsulation option is selected, the owner must conduct a visual evaluation at (1) month, then at (6) months and annually thereafter.

If lead dust levels are found to be more than ten times the standard levels, then reevaluation after interim control measures should occur six months after the hazard reduction.

In general, all painted surfaces should be monitored. A negative result does not necessarily indicate that no lead is present in that surface, but rather indicates that any lead present in that surface does not rise above the 1.0 mg/cm² threshold in the areas tested. Therefore, all painted surfaces should be maintained in accordance with the Minnesota Department of Health standards.

ROUGH ESTIMATED COSTS:

- Work site preparation for interior, approximately \$75.00 to \$250.00 per room.
- Window replacement, approximately \$150.00 and up, depending on style.
- Exterior preparation approximately \$35.00 to \$75.00 per component (i.e., windows, doors), removal or enclosure.
- Work area cleaning: \$0.15 to \$0.35 per square foot.
- Paint stabilization: \$0.20 to \$0.65 per square foot.
- Removal: Paint chemical stripper: \$0.65 to \$1.50 square foot.
- Soil Remediation:
 - a. Clean-up of visible exterior paint chips: \$0.90 to \$1.35 square foot.
 - b. Seed and tack grass: \$0.45 to \$0.75 square foot.
 - c. Sod: \$1.25 to \$3.30 square foot.
 - d. Regrade at foundation and sod: \$3.00 to \$5.00 square foot.
 - e. Mulch 4": \$0.50 to \$0.90 square foot.
 - f. Concrete: \$4.50 to \$8.00 square foot.
 - g. Replace soil: \$42.00 to \$65.00 cubic yard.

If work is going to be performed on these surfaces, individuals and/or contractors should be informed of the results of testing. At a minimum, the person(s) performing the work should follow the requirements of the Occupational Safety and Health Administration (OSHA) Standard 29 CFR 1926.62, Lead in the Construction Industry.

For the protection of the occupants and workers, and because of the use of federal funds, you are required by the HUD rules to use qualified firms who are knowledgeable about the hazards associated with lead. Supervisor should be licensed and workers will be required to be licensed or certified, as MEC understands the scope of work.

Please maintain a copy of the lead inspection/risk assessment report for your records and provide a copy of the report to any contractors that may be involved in any future renovations or remodeling projects.

A copy of this lead inspection/risk assessment summary must be provided to purchasers or lessees (tenants) of this property under Federal Law (24 CFR Part 35 and 40 CFR part 745) before they become obligated under a lease or sales contract.

The complete report must also be provided to new purchasers and it must be made

available to new tenants. Landlords (lessors) and sellers are also required to distribute an educational pamphlet approved by the U.S. Environmental Protection Agency and include standard warning language in their leases or sales contracts to ensure that parents have the information they need to protect their children from lead-based paint hazards.

It has been our pleasure to provide this service to you and your organization. Please contact me if you have questions relating to any aspect of this work.

Respectfully submitted,

Andrew Myers

Environmental Project Manager

APPENDIX A INSPECTOR CREDENTIALS

Winnesota Department of Health

has authorized

Midwest Environmental Consulting, LLC 145 2nd Ave SE

Cambridge, Minnesota 55008

in accordance with Minnesota Statutes, section 144.9505 and Minnesota Rules, part 4761.2200, to practice in the State of Minnesota as a

Certified Lead Firm

License No: LF551 Expires 03/28/2012 This certificate is nontransferable.

Linda B. Bruemmer, Director
Division of Environmental Health



Director, Env. Health Div.



Risk Assessor

Licensed by: State of Minnesota Department of Health

License No. LR578 Expires 08/25/2012

Andrew J Myers 210 2nd St N New Prague, MN 56071

Andrew J. Myers



has completed the Minnesota-Approved Lead Training course entitled:

Lead Risk Assessor Refresher Training

August 25, 2011

given by

Midwest Environmental Consulting, L.L. 145 - 2° Avenue SE, Cambridge, MN 55008 Phone: 763.691.0111 SUCCESSFULLY PASSED THE EXAMINATION ON August 25, 2011, IN Cambridge, MINNESOTA

IDENTIFICATION NUMBER: MEC/LRAR 0847 Expiration Date: August 25, 2012 MDH Permit Number: RAR-006

Course Director/Primary Instructor

Approved by the State of Minnesota under Minnesota Rules, parts 4761.2000 to 4761.2700.

Lead Inspector Independent Examination

121 East Seventh Place, Suite 220 • St. Paul • Minnesons 55101 • (651) 215-0700

This certifies that

Andrew Myers

has successfully passed the required independent examination for:

Lead Inspector

March 22, 2001 Morris, Minnesota This certificate is nontransferable.

Him A. Broger

Patricia A. Bloomgren, Director Division of Environmental Health

Jan K. Malcom Commissioner has completed the temperate Approved Lead Training Cour SUNCERPLATY PASSED THE EXAMPLET SERVED BY THE SERVE BETTER THE SERVED SE SALAN HOPE CHANGE Michael Diversity Contrate Consultation 145-2° Avenue & Contrates, MN 55008 March 12-14, 2001 given by HENTHWATTOMARKET SECALT ONE Expressivities Manch 14, 2002 MOT Permit No. 11-003

Lead Risk Assessor Independent Examination 121 East Seventh Place, Suite 220 - St. Paul, Minnesota 55101 - (651) 215-0700

This certifies that

Andrew Myers

has successfully passed the required independent examination for:

Lead Risk Assessor

Minneapolis, Minnesota June 26, 2001

This certificate is nontransferable.

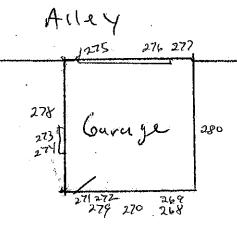
Jan K. Malcom Commissioner

Division of Environmental Health Patricia A. Bloomgren, Director

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APPENDIX B

XRF TEST RESULTS SAMPLING MAPS DATA PAGES CALIBRATION DATA



SITE PLAN

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ST. PAUL, MN

SKETCH NOT TO SCALE

DRAWN BY! ANDREW MYERS

MIDWEST ENVIRONMENTAL

CONSULTING

DATE: 01/22/12

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831 CARROLL AVENUE

ST. PAUL, MN

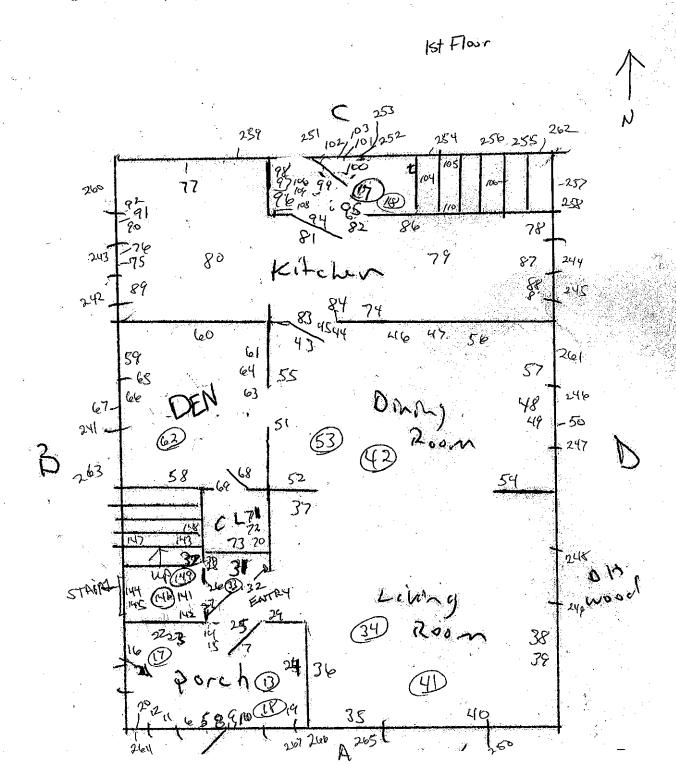
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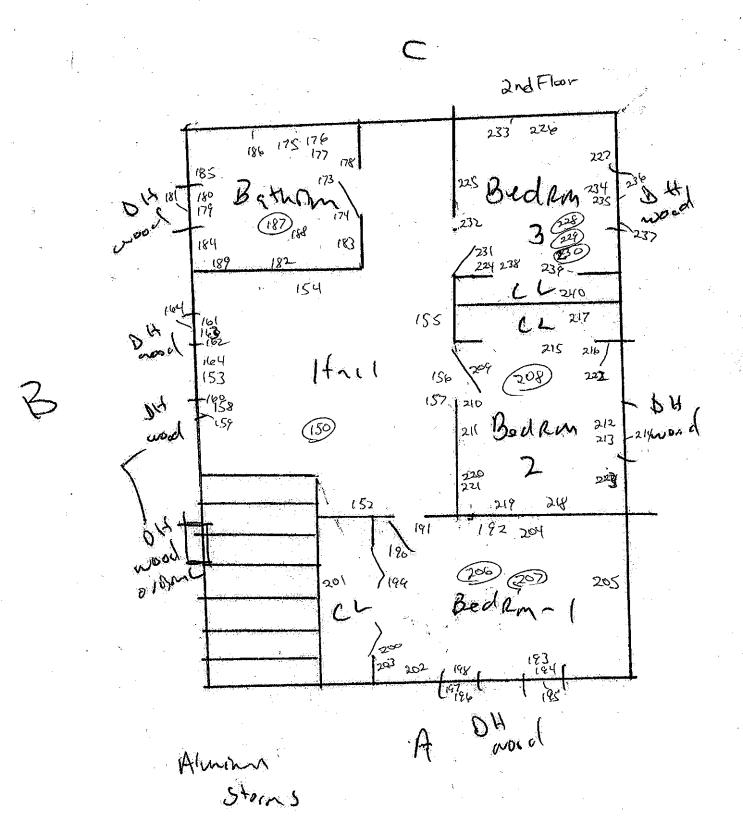
MIDWEST ENVIRONMENTAL

CONSULTING

DATE: 01/23/12



831 Carroll Ave St. Paul MN



BASEMENT LEVEL

831 CARROLL AVENUE

ST. PAUL, MN

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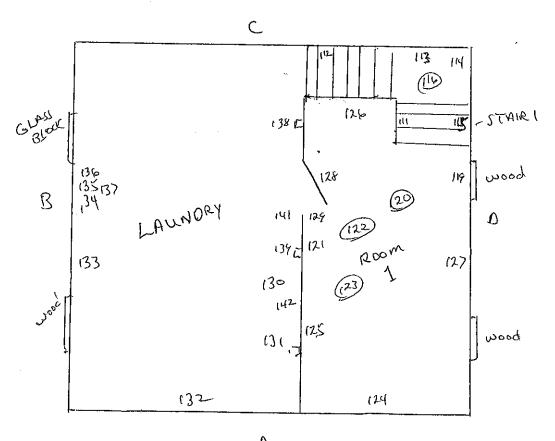
DRAWN BY! ANDREW MYERS

MIDWEST ENVIRONMENTAL

CONSULTING

DATE: 01/21/12





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Description of Column Titles

Site:

The sequential number of the site (homes or buildings) inspected on a

particular day.

No:

The sequential XRF sample number for a given site.

XL No/Map: The sample number recorded on the maps of a particular site.

Date:

Date that the XRF sample was analyzed.

Time: Floor: Time of XRF sample analysis. The sample location floor level (0 = basement, 1 = first floor, 2 = second

floor).

Room:

The specific location where the sample was analyzed on the site.

Calibrate is also recorded in this column when appropriate.

Side:

Side of the room based on sampling methodology as described earlier in this report. The only four sides that can be designated are A, B, C, and D.

Structure:

This refers to the general building component that the test was performed

on. It may also include modifications such as: upper, lower, exterior,

interior, right, and left.

Feature:

Specifies additional information about a structure.

Condition:

Describes whether the surface being tested is Intact: good condition;

Fair: less than 2 square feet of damage to large interior surface, i.e., wall, less than 10 square feet of damage to large exterior surface, i.e., outside walls, or less than 10% damage to small surface areas, i.e., baseboards, trim, etc.; Poor: more than 2 square feet of damage on large interior surfaces, more than 10 square feet of damage to large exterior surface

areas, or more than 10% damage to small surface areas.

Substrate:

Refers to the material that the structure was made of, i.e., wood, concrete,

drywall, etc.

Color:

Color of surface tested.

Result:

The lead concentration in mg/cm² as determined with L-shell and K-shell

X-ray data.

PbL(mg/cm²): The lead concentration as determined with L-shell X-ray data.

RES:

Results: POS - above action level, NEG - below action level.

PbK: PhC: The lead concentration in mg/cm² on the K-shell X-ray data spectrum. The combined lead concentration in mg/cm² of the L-shell and K-shell X-

ray data spectrum.

Depth:

This is the index that is a qualitative indication of the depth of the lead in paint. As the number approaches 1, the lead is concentrated close to the top layers of paint. The largest number available for depth index is 10. The greater the number, the more likely interfering elements may have

been detected.

Duration:

The length of the XRF sample analysis in seconds.

Inspector:

When multiple inspectors are used, this number indicates who sampled at the time indicated.

Note:

This refers to any notes that were collected during the analysis of the

particular sample. Then can be found on the field data sheet titled "Lead-

Based Paint Inspection Data Page."

SAMPLING METHODOLOGY

Buildings were systematically inspected for lead-based paints. The **A** side of the building is the side facing the street. Starting from the **A** side, the other sides are lettered consecutively (**B**, **C**, **D**), going clockwise around the building.

Inside the unit, each floor was assigned a number starting with **0** for the basement, **1** for the first floor, and **2** for the second floor.

Some rooms that are unique in the building are named on the inspection report. These would include things like pantry, kitchen, halls, bathrooms, and staircases. If there is more than one of a certain type of named room, then they are numbered (e.g., staircases to basements are numbered staircase 1, while staircases to the second floor are labeled staircase 2). Room numbering starts in the **A-D** corner of the building and continues clockwise from that point.

Within each room of the building, each of the sides of the room are named. The naming of walls in a room, for instance, follows the same pattern as that used on the exterior of the building, namely, the street side of each room is labeled **A**, and then clockwise from that wall, walls are labeled **B**, **C**, **D**.